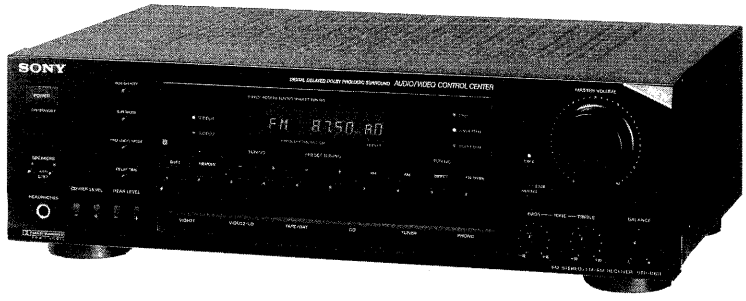
STR-D511/D611

SERVICE MANUAL

US Model
Canadian Model
UK Model
Australian Model
STR-D511/D611
AEP Model
STR-D611



This photo is STR-D611.

SPECIFICATIONS

(For US and Canadian models)

Audio Power Specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8-ohm load, both channels driven, from 40 - 20,000 Hz, rated 70 watts (STR-D611) or 50 watts (STR-D511) per channel minimum RMS power, with less than 0.8% total harmonic distortion from 250 milliwatts to rated output.

SUR (surround) MODE (8 ohms, less than 0.8% total harmonic distortion)

	STR-D611	STR-D511
FRONT	80 W/CH	70 W/CH
CENTER (only in the DOLBY mode)	20 W	10 W
REAR	20 W	10 W

Other Specifications

Amplifier section

Continuous RMS power output (8 ohms, at 40 Hz - 20 kHz less than 0.8% total harmonic distortion) (FRONT)
- STR-D611: 75 W + 75 W
- STR-D511: 55 W + 55 W

Dynamic power (at 1 kHz IHF) (FRONT)
- STR-D611: 90 W + 90 W (8 ohms), 120 W + 120 W (4 ohms)
- STR-D511: 80 W + 80 W (8 ohms), 110 W + 110 W (4 ohms)

Harmonic distortion
- Less than 0.8% at rated output

Frequency response
- PHONO: RIAA equalization curve ±0.5 dB
- CD, VIDEO, TAPE: 10 Hz - 50 kHz ±1 dB

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO	2.5 mV	50 kilohms	74 dB 72 dB* (A, 2.5 mV)
CD	300 mV	50 kilohms	95 dB 80 dB* (A, 200 mV)
VIDEO 1, 2 TAPE	200 mV		

* '78 IHF

Outputs

REC OUT, VIDEO 1 (AUDIO) OUT	Voltage 200 mV Impedance 10 kilohms
HEADPHONES	Accepts low and high impedance headphones

Tone controls
- BASS: ±10 dB at 100 Hz
- TREBLE: ±8 dB at 10 kHz

Muting
- –20 dB

DBFB
- +7 dB at 70 Hz

—Continued on next page—

FM STEREO/FM-AM RECEIVER

SONY®

Video section

INPUT	VIDEO1,2	1 Vp-p 75 ohms
OUTPUT	VIDEO 1 MONITOR	1 Vp-p 75 ohms

Tuner section

	FM tuner section	AM tuner section
Tuning range	87.5 — 108 MHz	530 – 1710 kHz (10 kHz step) 531 – 1602 kHz (9 kHz step)
Antenna terminals	300 ohms,balanced 75 ohms, unbalanced	External antenna terminal
Sensitivity at 50 dB quieting	18.3 dBf, 4.5 μV (mono) 38.3 dBf, 45 μV (stereo)	—
Usable sensitivity	11.2 dBf, 2 μV (IHF)	Loop antenna: 500 μV (at 1,000 kHz)
Signal-to-noise ratio	76 dB (mono) 70 dB (stereo)	54 dB (at 50 mV/m)
Harmonic distortion	0.3% (mono), 0.5% (stereo) at 1 kHz	0.5% (at 50 mV/m, 400 Hz)
Selectivity	60 dB at 400 kHz	40 dB at 10 kHz
Separation	45 dB at 1 kHz	—
Frequency response	30 Hz — 15 kHz $^{+0.5}_{-2}$ dB	—

General

System
- Tuner section: PLL quartz-locked digital synthesizer system
- Preamplifier section: low-noise NF type equalizer amp
- Power amplifier section: pure complementary SEPP

Power requirements
- 120 V AC, 60 Hz

Power consumption
- US model: 170 W (STR-D611)
  140 W (STR-D511)
- Canadian model: 180 W (STR-D611)
  155 W (STR-D511)

AC outlet
- One switched (120 W/1A Max.)

Dimensions
- Approx. 430 x 135 x 295 mm (w/h/d)
  (17 x 5 $^{3}/_{8}$ x 11 $^{5}/_{8}$ inches)
- including projecting parts and controls

Mass
- Approx. 6.4 kg (14 lb 20 oz) (STR-D611)
- Approx. 5.9 kg (13 lb 1 oz) (STR-D511)

Accessories supplied
- FM wire antenna (1)
- AM loop antenna (1)
- Remote Commander RM-U232 (1)
- Sony batteries SUM-3(NS) (2)

Design and specifications are subject to change without notice.

(For AEP, UK and Australian models)

Amplifier section

Continuous RMS power output (8 ohms, at 40 Hz - 20 kHz less than 0.8% total harmonic distortion) (FRONT)
- STR-D611: 60 W + 60 W
- STR-D511: 50 W + 50 W

Dynamic power (at 1 kHz IHF) (FRONT)
- STR-D611: 80 W + 80 W (8 ohms), 110 W + 110 W (4 ohms)
- STR-D511: 70 W + 70 W (8 ohms), 100 W + 100 W (4 ohms)

Harmonic distortion
- Less than 0.8% at rated output

SUR (surround) MODE (8 ohms, less than 0.8% total harmonic distortion)

	STR-D611	STR-D511
FRONT	75 W/CH	65 W/CH
CENTER (only in the DOLBY mode)	20 W	10 W
REAR	20 W	10 W

Frequency response
- PHONO: RIAA equalization curve ±0.5 dB
- CD, VIDEO, TAPE: 10 Hz - 50 kHz ±1 dB

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO	2.5 mV	50 kilohms	74 dB 72 dB* (A, 2.5 mV)
CD	300 mV	50 kilohms	95 dB 80 dB* (A, 200 mV)
VIDEO 1,2 TAPE	200 mV		

* '78 IHF

Outputs

REC OUT, VIDEO 1 (AUDIO) OUT	Voltage 200 mV Impedance 10 kilohms
HEADPHONES	Accepts low and high impedance headphones

Tone controls
- BASS: ±10 dB at 100 Hz
- TREBLE: ±8 dB at 10 kHz

Muting
- –20 dB

DBFB
- +7 dB at 70 Hz

Video section

INPUT	VIDEO1,2	1 Vp-p 75 ohms
OUTPUT	VIDEO 1 MONITOR	1 Vp-p 75 ohms

Tuner section

	FM tuner section	AM tuner section
Tuning range	87.5 — 108 MHz	531 — 1,602 kHz
Antenna terminals	75 ohms, unbalanced	External antenna terminal
Sensitivity at 50 dB quieting	18.3 dBf, 2.25 μV, 75 ohms (mono) 38.3 dBf, 22.5 μV, 75 ohms (stereo)	—
Usable sensitivity	11.2 dBf, 1 μV (IHF) 75 ohms	Loop antenna: 500 μV (at 1,000 kHz)
Signal-to-noise ratio	70 dB (mono) 66 dB (stereo)	54 dB (at 50 mV/m)
Harmonic distortion	0.3% (mono), 0.5% (stereo) at 1 kHz	0.5% (at 50 mV/m, 400 Hz)
Selectivity	60 dB at 400 kHz	30 dB at 9 kHz
Separation	45 dB at 1 kHz	—
Frequency response	30 Hz — 15 kHz $^{+0.5}_{-2}$ dB	—

General

System
- Tuner section: PLL quartz-locked digital synthesizer system
- Preamplifier section: low-noise NF type equalizer amp
- Power amplifier section: pure complementary SEPP

Power requirements
- 220—230V AC, 50/60Hz (for AEP model)
- 240V AC, 50/60Hz (for UK model)
- 240V AC, 50Hz (for Australian model)

Power consumption
- 160 W (STR-D611)
- 135 W (STR-D511)
- In standby condition: 5 W

AC outlet
- One switched (100 W Max.)

Dimensions
- Approx. 430 x 135 x 295 mm (w/h/d) (17 x 5 3/8 x 11 5/8 inches) including projecting parts and controls

Mass
- Approx. 6.9 kg (15 lb 4 oz) (STR-D611)
- Approx. 6.4 kg (14 lb 2 oz) (STR-D511)

Accessories supplied
- FM wire antenna (1)
- AM loop antenna (1)
- Remote Commander RM-U232 (1)
- Sony batteries SUM-3(NS) (2)

Design and specifications are subject to change without notice.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

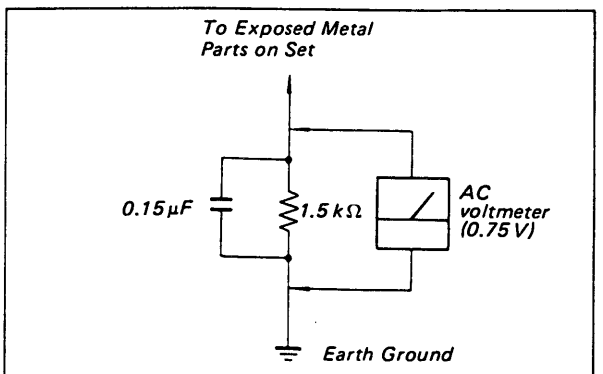


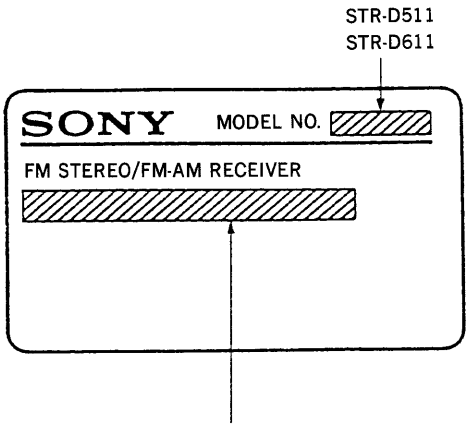
Fig. A. Using an AC voltmeter to check AC leakage.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

MODEL IDENTIFICATION

—Specification Label—



US, Canadian model: AC 120V 60Hz
AEP model : AC 220—230V 50/60Hz
UK model : AC 240V 50/60Hz
Australian model : AC 240V 50Hz

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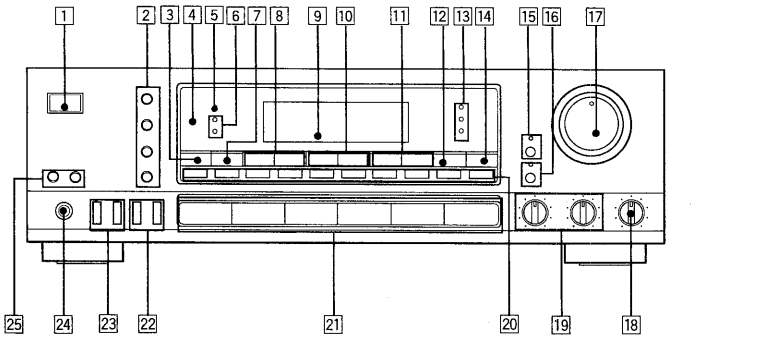
Identifying the Parts and Controls

Front Panel



(The illustration shows the STR-D611.)

1 **POWER switch**

2 **SUR (surround) ON/OFF button**
(See pages 19 and 20.)
SUR (surround) MODE button (See pages 19 and 20.)
PRO LOGIC MODE button (See pages 18 and 19.)
DELAY TIME selector (STR-D611 only) (See page 20.)

3 **SHIFT button** (See pages 14 and 15.)

4 **Remote sensor**

5 **STANDBY indicator** (for U.K. and Australian models only)
The STANDBY indicator lights up when the power cord is connected.

6 **VIDEO 1/2 indicators** (See page 17.)

7 **MEMORY button** (See page 14.)

8 **TUNING +/– buttons** (See page13.)

9 **Display window**

10 **PRESET TUNING +/– buttons** (See page 15.)

11 **FM/AM band selectors** (See pages 12 and 13.)

12 **TUNING DIRECT button** (See page 12.)

13 **SUR (surround) mode indicators** (See page 17.)

14 **FM MODE button** (See page 12.)

15 **DBFB (Dynamic Bass Feedback) button and indicator** (See page 11.)

16 **MUTING button and indicator** (See page 11.)

17 **MASTER VOLUME control** (See page 11.)

18 **BALANCE control** (See page 11.)

19 **BASS/TREBLE controls** (See page 11.)

20 **Numeric buttons** (See pages 12, and 15.)

21 **Function selectors** (See page 11.)

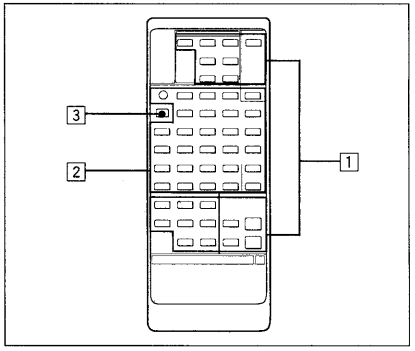
22 **REAR LEVEL +/– buttons** (See page 19.)

23 **CENTER LEVEL +/– buttons** (See page 19.)

24 **HEADPHONES jack**

25 **SPEAKERS A/B buttons** (See page 11.)

Remote Commander



1 **Receiver control section**
FUNCTION
PHONO, TUNER, CD, TAPE, DAT , VIDEO 1, VIDEO 2:
When each function is selected, the unit enters its operating mode automatically.
SYSTEM OFF: Turns off the power of the whole system.

SURROUND
MODE: Selects the surround mode.
ON/OFF: Turns on/off the surround system.
REAR LEVEL +/– buttons: Control the volume of rear speakers (surround level).
CENTER LEVEL +/– buttons: Control the volume of center speaker (surround level).
DELAY button: Adjusts the delay time. (STR-D611 only)
T. (test) TONE: Generates a test tone signal that is sent in succession to each speaker.

DBFB button: Turns on/off the DBFB (Dynamic Bass Feedback).
MUTING button: Mutes the sound.
MASTER VOL +/– buttons: Control the volume level.

2 **Other equipment control section**
The operative buttons are changed according to the function mode and the setting of the SYSTEM/TV selector.
Numeric buttons (1 to 0): Designate the number.
>10: Designates the number more than 10.
ENTER: Press after designating the TV/VCR channel.
SHIFT: Select the memory page (A, B or C) only in the tuner mode.
TV/VIDEO selector: Selects the program to see ; TV or VCR.
ANT TV/VTR button: Selects the output signal from the antenna terminals on the VCR, either a TV signal or VCR programs.
POWER: Turns on/off the power of TV, VCR and LD player.

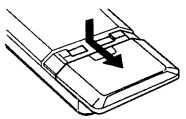
CH/PRESET +/– buttons: Select a preset station or TV/VCR channel.
◄◄/►►: Fast winding/manual search
● and ►: Forward recording
● and ◄: Reverse recording
◄/►: Play
■: Stop
II: Pause
I◄◄/►►I: Locate a desired selection.
D (disc) SKIP: Disc skip (for a CD player equipped with a multi-disc changer)
SELECT: Changes the settings of the FUNCTION button.

3 **SYSTEM/TV mode switch**
In TV mode (When setting the SYSTEM/TV selector to TV.)
Only MUTING, MASTER VOL +/– and the operative buttons in TV section on the list described on the next page can be used.

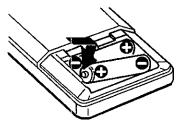
Inserting the Batteries into the Remote Commander

Before operating remote commander, install the batteries as shown below.

1 Open the cover.



2 Insert two size-AA (R6) batteries with correct polarity.



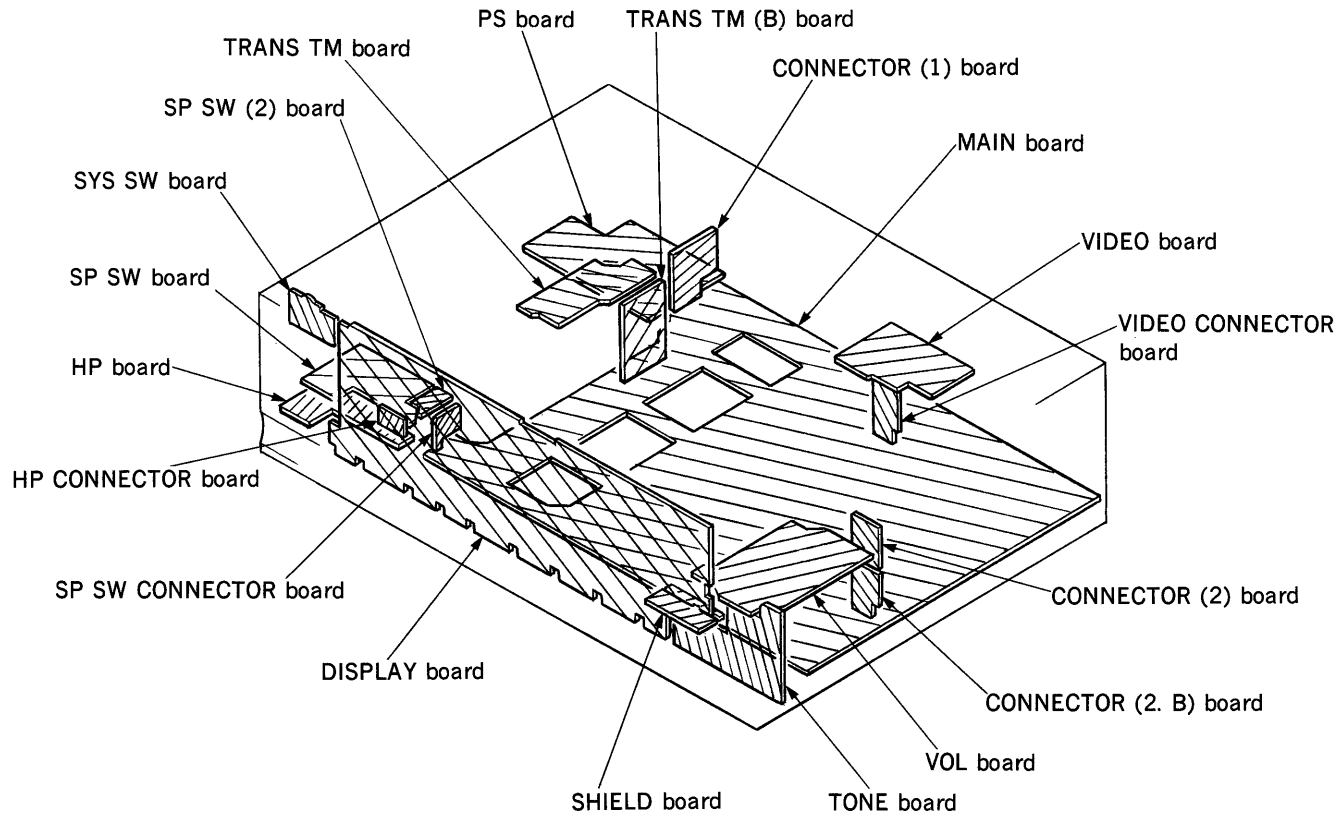
To avoid damage caused by battery leakage and corrosion
When the commander will not be used for a long time, remove the batteries.

Battery life
Normal operation can be expected about a half year using Sony SUM-3 (NS), and a year using Sony AM-3 (NW) alkaline batteries.
When the batteries are run down, the remote commander will not operate the unit. In this case, replace both batteries with new ones.

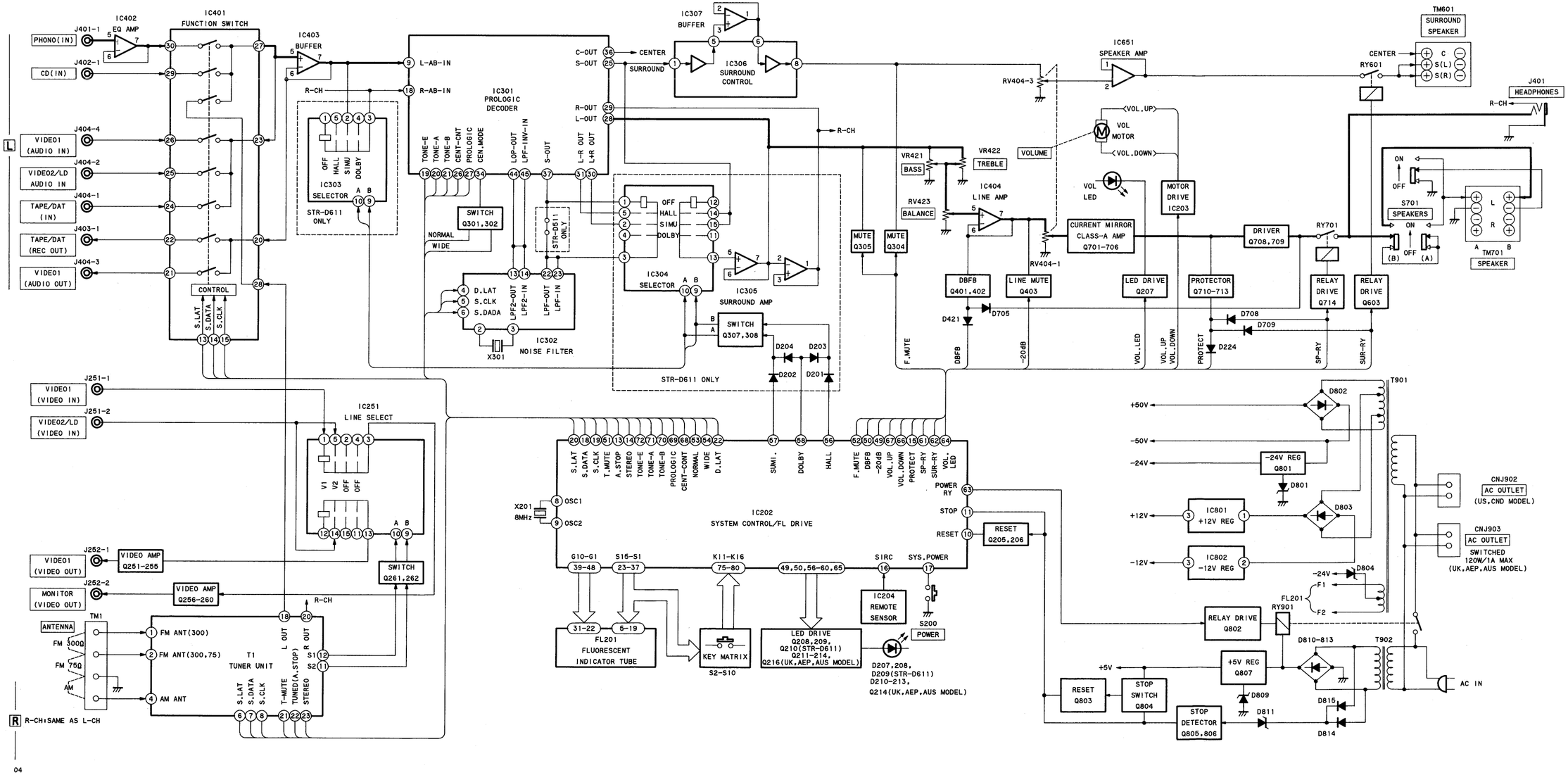
This section is extracted from instruction manual.

SECTION 2
DIAGRAMS

2-1. CIRCUIT BOARDS LOCATION



2-2. BLOCK DIAGRAM

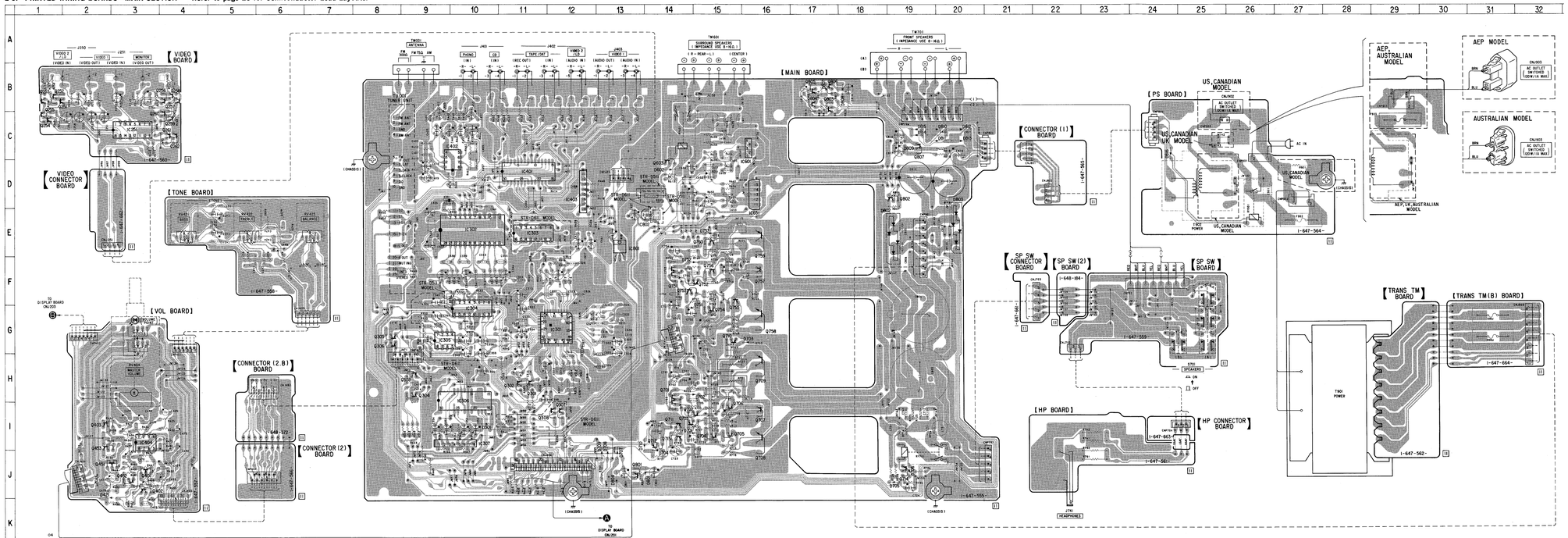


2-3. PRINTED WIRING BOARDS—MAIN SECTION— • Refer to page 25 for Semiconductor Lead Layouts.

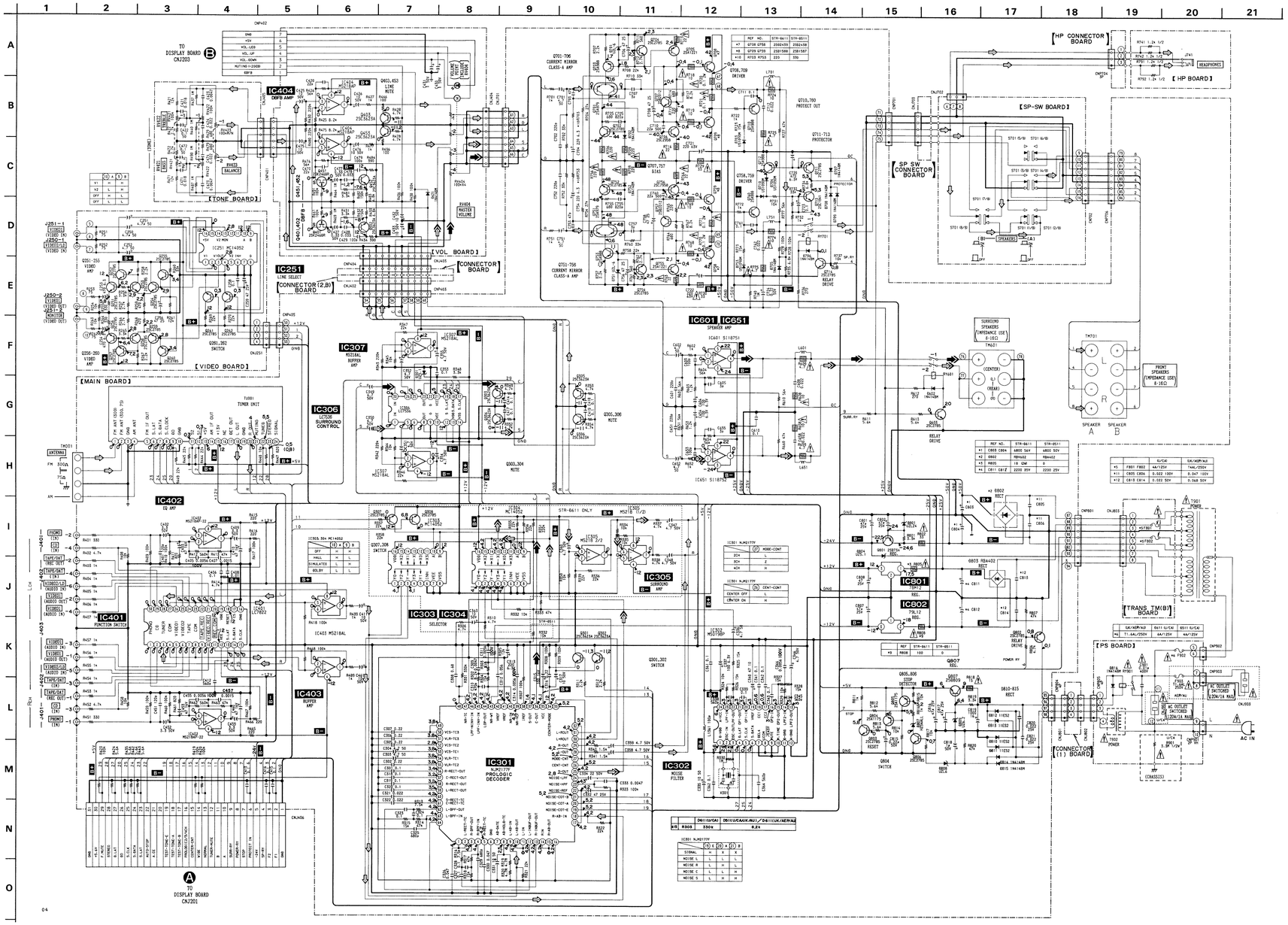
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D301	I-10	Q257	B-4
D421	J-3	Q258	B-4
D602	D-14	Q259	C-4
D603	C-14	Q260	C-4
D701	I-15	Q261	C-4
D702	H-15	Q262	C-4
D703	G-16	Q301	H-11
D704	I-14	Q302	H-11
D705	J-19	Q303	H-9
D706	J-13	Q304	H-9
D707	J-13	Q305	G-8
D708	J-13	Q306	G-8
D709	J-13	Q307	I-11
D710	I-13	Q308	I-11
D751	F-15	Q401	J-3
D752	F-15	Q402	J-3
D753	E-15	Q403	I-2
D801	J-14	Q451	J-2
D802	E-19	Q452	J-3
D803	D-20	Q453	I-2
D804	J-13	Q603	C-14
D807	B-17	Q701	H-14
D808	B-18	Q702	I-15
D809	C-19	Q703	I-15
D810	C-20	Q704	I-15
D811	C-20	Q705	I-15
D812	C-20	Q706	I-15
D813	C-20	Q707	I-16
D814	C-19	Q708	J-16
D815	C-19	Q709	H-16
D816	C-24	Q710	G-15
		Q711	I-14
IC251	C-3	Q712	I-14
IC301	G-12	Q713	I-14
IC302	E-10	Q714	J-19
IC303	E-11	Q751	F-14
IC304	G-10	Q752	F-15
IC305	G-9	Q753	F-14
IC306	H-10	Q754	G-15
IC307	I-10	Q755	F-15
IC401	D-11	Q756	F-15
IC404	I-3	Q757	F-16
IC601	C-16	Q758	G-16
IC651	D-16	Q759	E-16
IC801	E-13	Q760	E-15
IC802	E-14	Q801	J-13
		Q802	D-19
Q251	B-1	Q803	E-20
Q252	B-1	Q804	B-17
Q253	B-1	Q805	B-17
Q254	C-1	Q806	B-17
Q255	C-1	Q807	C-19
Q256	B-4		

Note:
• o—— : parts extracted from the component side.
• ■ : parts mounted on the conductor side.

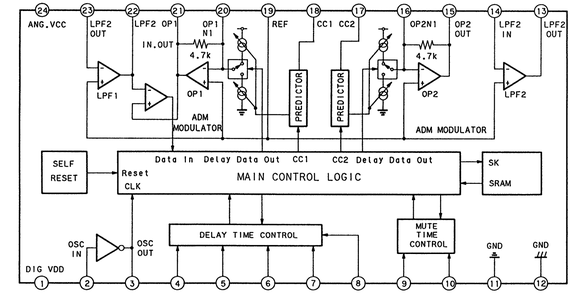


2-4. SCHEMATIC DIAGRAM—MAIN SECTION—

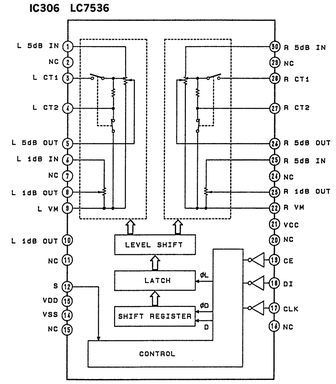


• IC Block Diagrams

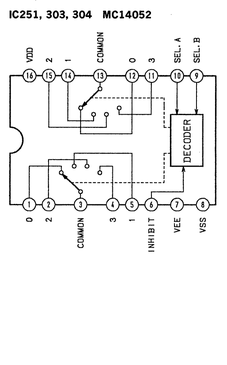
IC302 M50198P



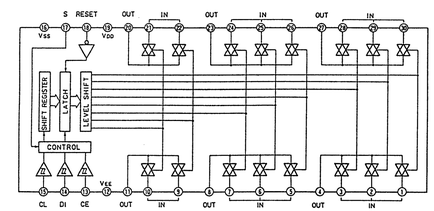
IC306 LC7536



IC251, 303, 304 MC14052



IC401 LC7822



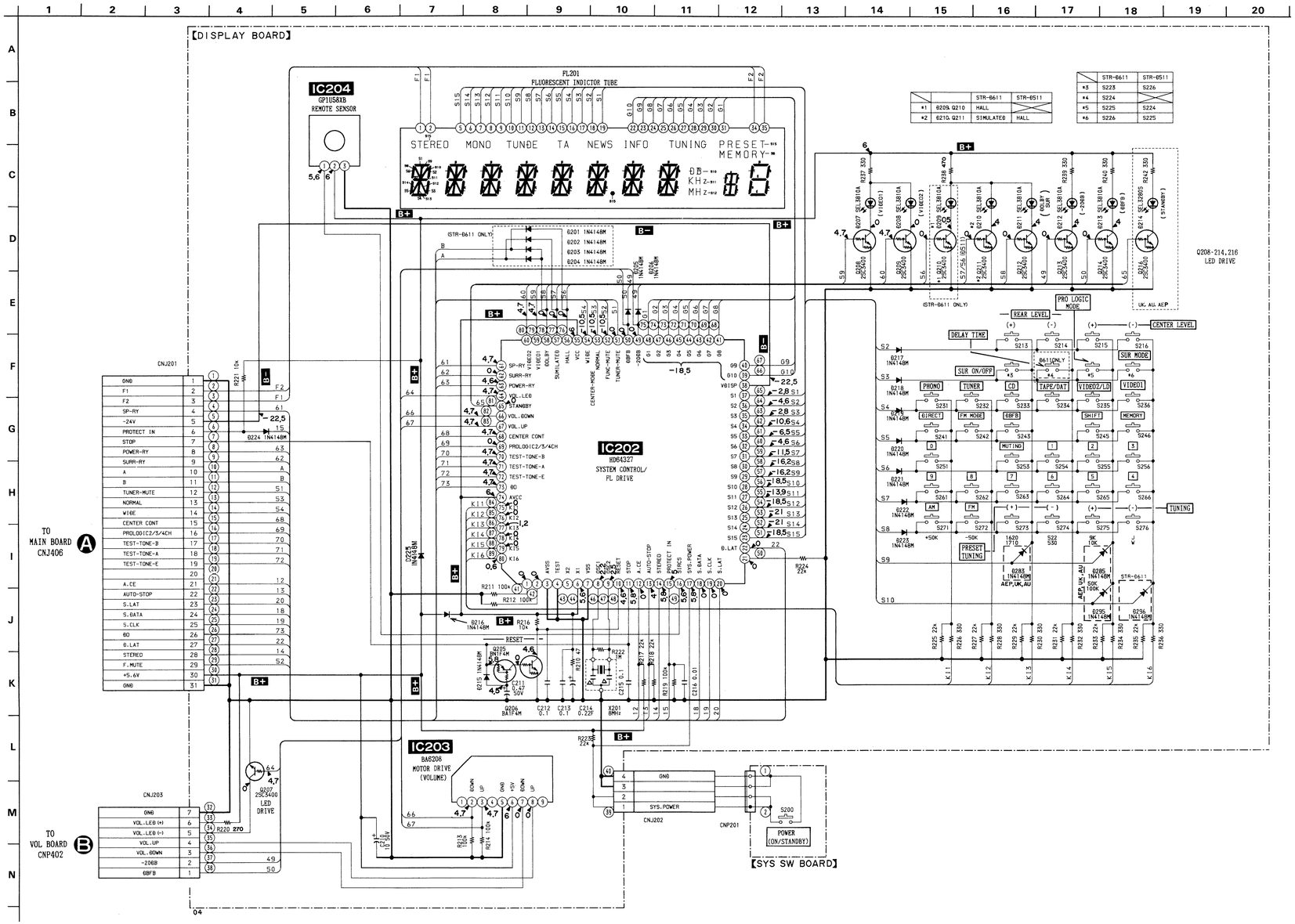
Note:
- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- ▪ : nonflammable resistor.

Note:	Note:
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Voltage is dc with respect to ground under no-signal conditions.
  no mark : PHONO
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM
  ⇨ : SURROUND
  ➡ : CENTER

• Abbreviations
CA : Canadian model
AU : Australian model

2-5. SCHEMATIC DIAGRAM—DISPLAY SECTION—



	STR-B611	STR-D511
*1 Q209, Q210	HALL	
*2 Q210, Q211	SIMULATED	HALL

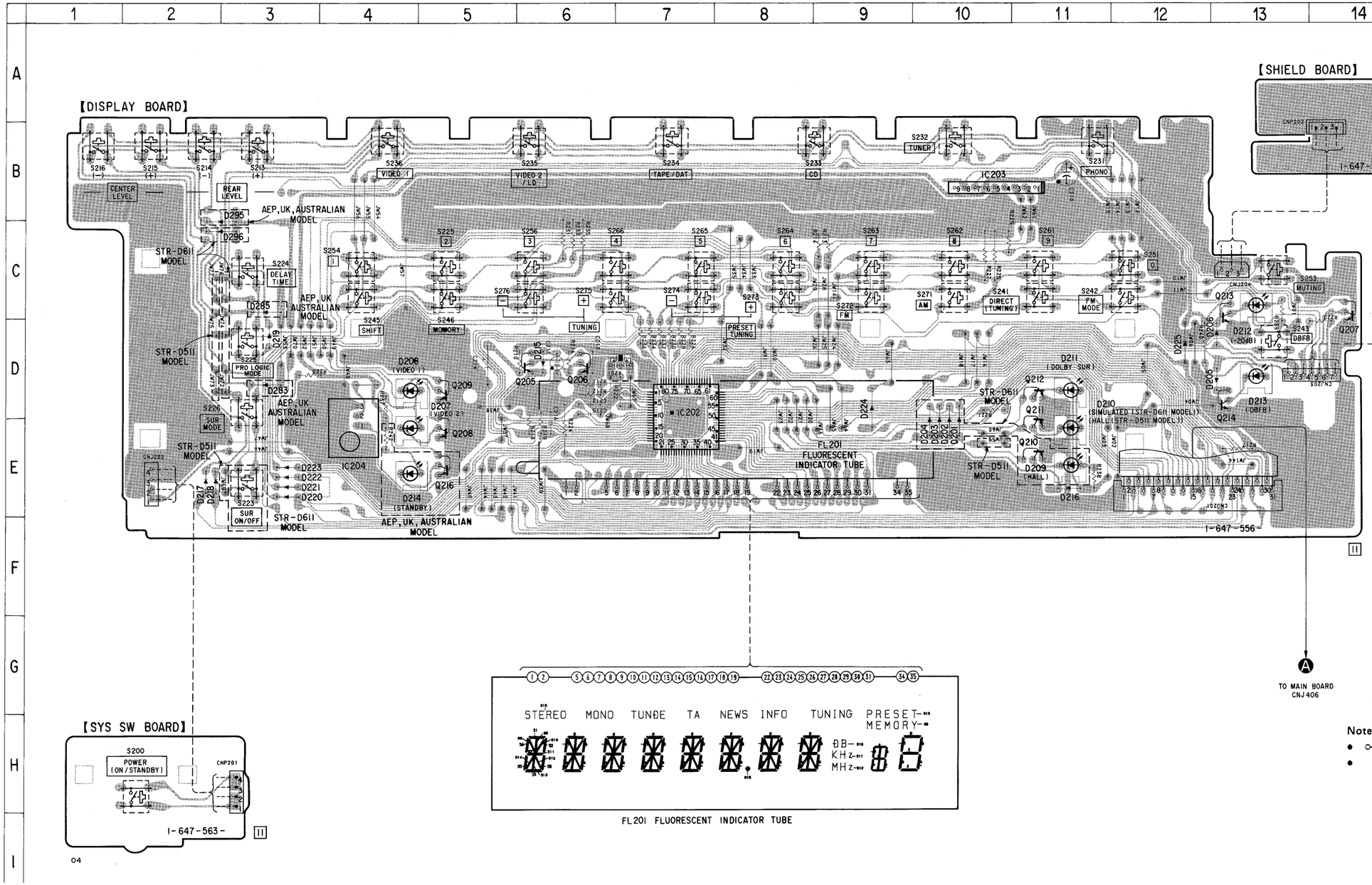
	STR-B611	STR-D511
*3	S223	S226
*4	S224	
*5	S225	S224
*6	S226	S225

• IC Block Diagram
IC203 BA6208

Note:
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- Voltage is dc with respect to ground under no-signal conditions.
  no mark: PHONO
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.

• Abbreviation
AU: Australian model

• Semiconductor Location

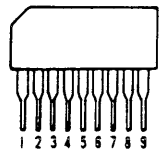


Ref. No.	Location
D201	E-10
D202	E-10
D203	E-10
D204	E-10
D205	D-13
D206	D-13
D207	D-5
D208	D-4
D209	E-11
D210	E-11
D211	D-11
D212	C-13
D213	D-13
D214	E-4
D215	D-6
D216	E-11
D217	E-2
D218	E-2
D219	D-3
D220	E-3
D221	E-3
D222	E-3
D223	E-3
D224	D-9
D225	D-12
D283	D-3
D285	C-3
D295	B-3
D296	C-3
IC202	D-7
IC203	B-10
IC204	E-4
Q205	D-6
Q206	D-6
Q207	C-14
Q208	E-5
Q209	D-5
Q210	E-11
Q211	D-11
Q212	D-11
Q213	C-13
Q214	E-4
Q216	E-5

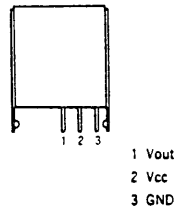
Note:
- ○—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.

2-7. SEMICONDUCTOR LEAD LAYOUTS

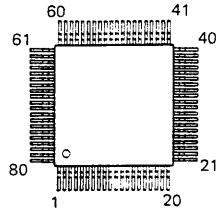
BA6208



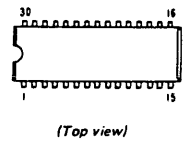
CP1U58XB



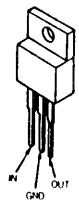
HD64327



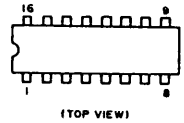
LC7536
LC7822



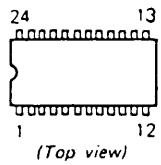
LM78M12



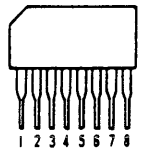
MC14052BCP



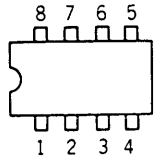
M50198P



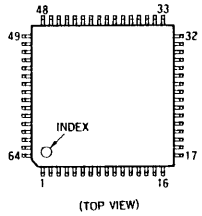
M5218AL



M5218AP
M5218AP-22



NJM2177FB4



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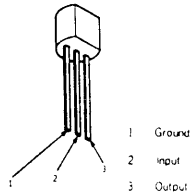
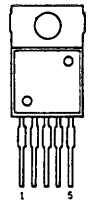
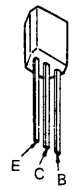


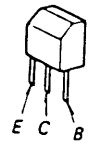
SI18751
SI18752
SI18752-K



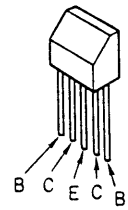
DTA124ES
DTC124ES



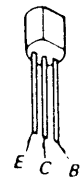
KSA708
2SA1221-T-KLM
2SC2958



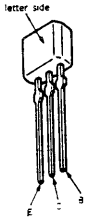
2SA979-FG



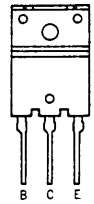
2SA988-PAFAEA



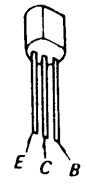
2SA1175-HFE
2SC2785-HFE
2SC3623A-LK



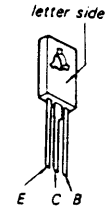
2SB1587-OPY-K
2SB1588-OPY
2SD2438-OPY-K
2SD2439-OPY



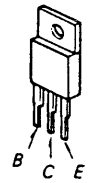
2SC1841-PAFAEA



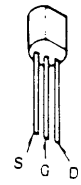
2SD809-K



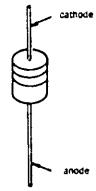
2SD2012



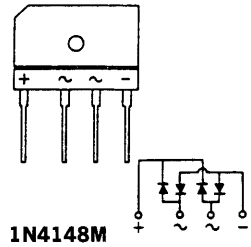
2SK246-GR3



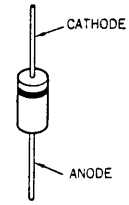
HZS4ALL
HZS6C3L
UZ-5.1BSB
UZL-24L
11ES2



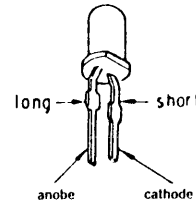
RBA-402
RBV-602-01



1N4148M
1S1585



SEL3210S-CD
SEL3810A-CD



SECTION 3
EXPLODED VIEWS

NOTE:

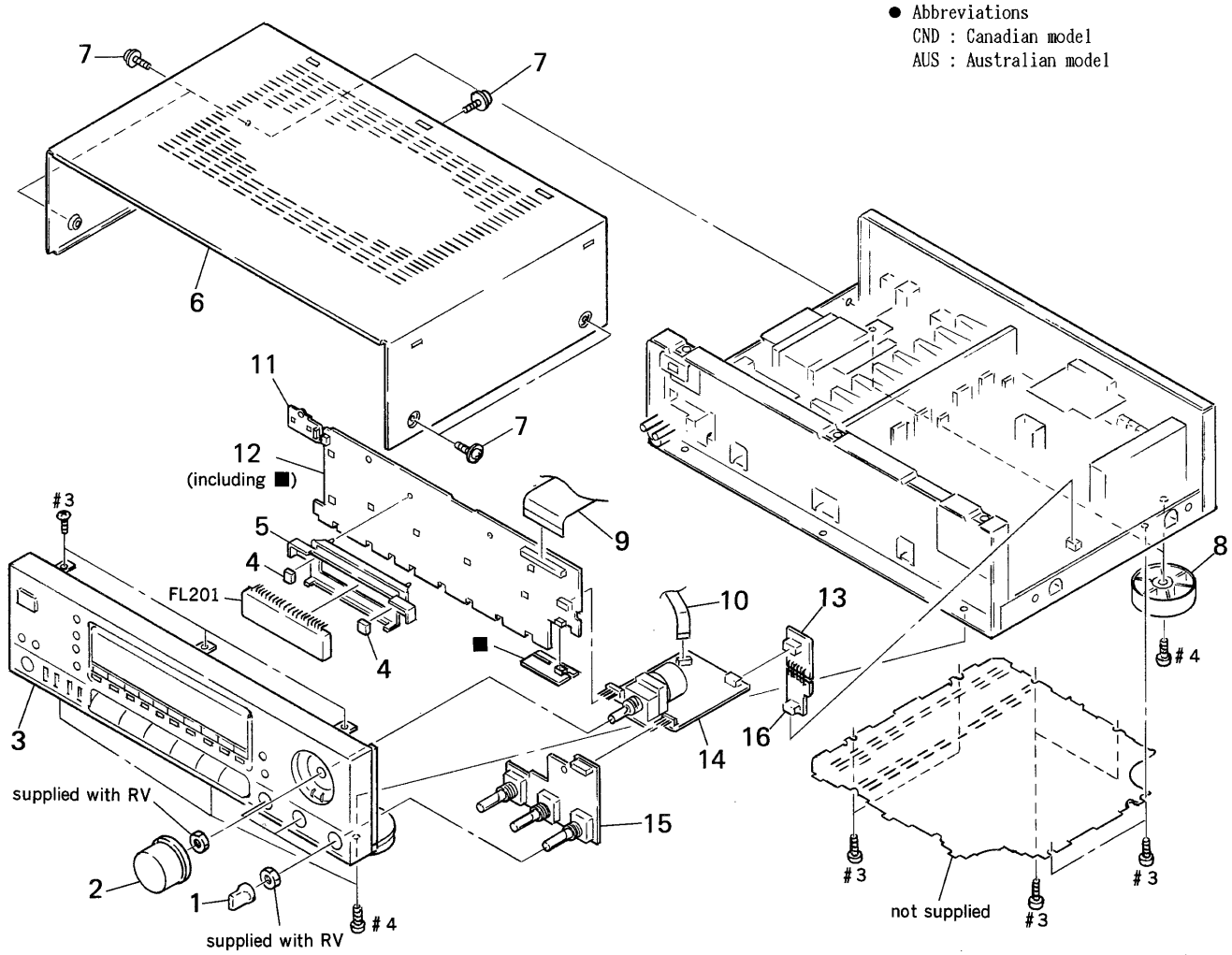
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE)... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Abbreviations
  CND : Canadian model
  AUS : Australian model

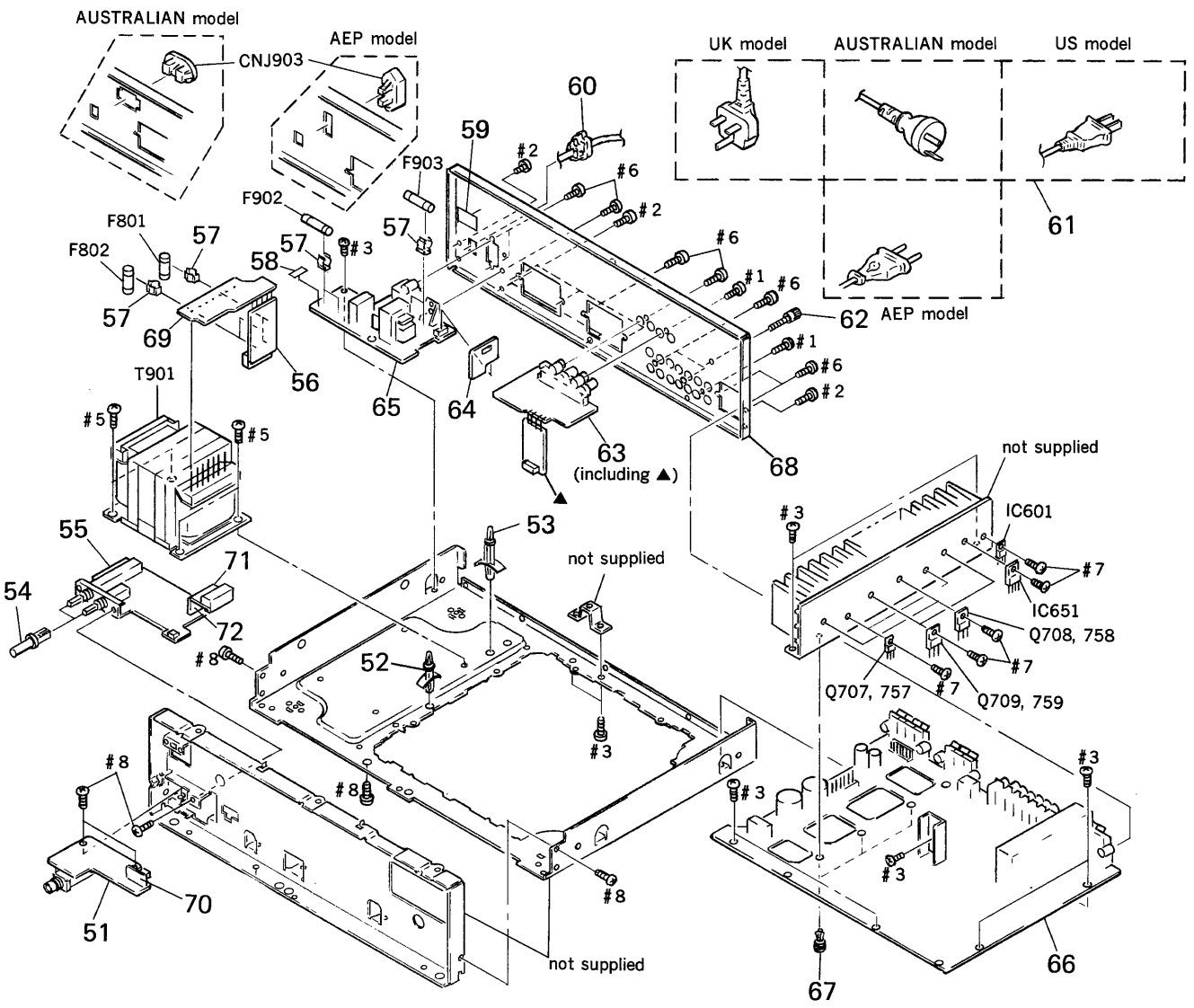
3-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	4-957-383-01	KNOB (F14)	
* 2	X-4943-728-1	KNOB (VOL) ASSY	
3	X-4943-595-1	PANEL ASSY, FRONT (D611:US, CND)	
3	X-4943-596-1	PANEL ASSY, FRONT (D611:AEP, UK, AUS)	
3	X-4943-597-1	PANEL ASSY, FRONT (D511:US, CND)	
3	X-4943-598-1	PANEL ASSY, FRONT (D511:UK, AUS)	
* 4	4-921-941-01	CUSHION (FL)	
* 5	4-943-107-11	HOLDER (FL TUBE)	
* 6	4-951-795-01	CASE	
7	3-704-366-01	SCREW (CASE) (M3X8)	
8	X-4941-291-1	FOOT ASSY (F58175S) (D511:US, CND/ D611:US, CND)	
8	X-4941-292-1	FOOT ASSY (F58175S) (D511:UK, AUS/ D611:AEP, UK, AUS)	

Ref. No.	Part No.	Description	Remark
9	1-696-456-11	WIRE (FLAT TYPE) (31 CORE)	
* 10	1-590-240-11	WIRE, FLAT TYPE (9 CORE)	
* 11	1-647-563-11	SYS SW BOARD	
* 12	A-4360-390-A	DISPLAY BOARD, COMPLETE (D511:US, CND)	
* 12	A-4360-391-A	DISPLAY BOARD, COMPLETE (D511:UK, AUS)	
* 12	A-4360-393-A	DISPLAY BOARD, COMPLETE (D611:US, CND)	
* 12	A-4360-406-A	DISPLAY BOARD, COMPLETE (D611:AEP, UK, AUS)	
* 13	1-647-566-11	CONNECTOR (2) BOARD	
* 14	A-4360-394-A	VOL BOARD, COMPLETE	
* 15	1-647-558-11	TONE BOARD	
* 16	1-648-372-11	CONNECTOR (2.B) BOARD	
FL201	1-517-141-11	INDICATOR TUBE, FLUORESCENT	

3-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
* 51	1-647-561-11	HP BOARD	
* 52	3-346-265-31	HOLDER, PC BOARD	
* 53	4-924-098-31	HOLDER, PC BOARD	
54	4-951-801-02	BUTTON (S)	
* 55	1-647-559-11	SP SW BOARD	
* 56	1-647-664-11	TRANS TM (B) BOARD	
57	1-533-217-31	HOLDER, FUSE	
* 58	3-701-946-26	LABEL (4A125V), FUSE (D511:US, CND)	
59	3-703-044-26	LABEL, CAUTION (D511:US, CND/D611:US, CND)	
* 60	3-703-244-00	BUSHING (2104), CORD	
⚠61	1-575-651-11	CORD, POWER (D611:AEP)	
⚠61	1-690-609-11	CORD, POWER (D511:US, CND/D611:US, CND)	
⚠61	1-696-570-21	CORD, POWER (D511:UK/D611:UK)	
⚠61	1-696-848-21	CORD, POWER (D511:AUS/D611:AUS)	
62	4-947-010-01	SCREW, FEEDER FIXED	
* 63	A-4360-397-A	VIDEO BOARD, COMPLETE	
* 64	1-647-565-11	CONNECTOR (1) BOARD	
* 65	1-647-564-11	PS BOARD	
* 66	A-4360-389-A	MAIN BOARD, COMPLETE (D511:US, CND)	
* 66	A-4360-392-A	MAIN BOARD, COMPLETE (D611:US, CND)	
* 66	A-4365-075-A	MAIN BOARD, COMPLETE (D611:AEP, UK, AUS)	
* 66	A-4365-076-A	MAIN BOARD, COMPLETE (D511:UK, AUS)	
67	4-812-134-00	RIVET NYLON, 3.5	
* 68	4-957-376-01	PANEL, BACK (D611:US)	
* 68	4-957-376-11	PANEL, BACK (D611:CND)	
* 68	4-957-376-21	PANEL, BACK (D611:UK)	
* 68	4-957-376-31	PANEL, BACK (D611:AUS)	
* 68	4-957-376-41	PANEL, BACK (D511:US)	
* 68	4-957-376-51	PANEL, BACK (D511:CND)	
* 68	4-957-376-61	PANEL, BACK (D511:UK)	
* 68	4-957-376-71	PANEL, BACK (D511:AUS)	
* 68	4-957-376-81	PANEL, BACK (D611:AEP)	
* 69	1-647-562-11	TRANS TM BOARD	
* 70	1-647-663-11	HP CONNECTOR BOARD	
* 71	1-647-661-11	SP SW CONNECTOR BOARD	
* 72	1-648-184-11	SP SW (2) BOARD	
⚠CNJ903	1-251-078-11	OUTLET, AC (D511:AUS/D611:AUS)	
⚠CNJ903	1-526-794-11	OUTLET, AC (D611:AEP)	
⚠F801	1-532-350-00	FUSE (T4A/250V) (D511:UK, AUS/D611:AEP, UK, AUS)	
⚠F801	1-576-108-11	FUSE (125V/4A) (D511:US, CND/D611:US, CND)	
⚠F802	1-532-350-00	FUSE (T4A/250V) (D511:UK, AUS/D611:AEP, UK, AUS)	
⚠F802	1-576-108-11	FUSE (125V/4A) (D511:US, CND/D611:US, CND)	
⚠F902	1-532-259-00	FUSE (T1.6A) (D511:AUS/D611:AEP, UK, AUS)	
⚠F902	1-532-285-00	FUSE (T1.25A) (D511:UK)	
⚠F902	1-576-108-11	FUSE (125V/4A) (D511:US, CND/D611:US, CND)	
⚠F902	1-576-110-11	FUSE (125V/6A) (D611:US, CND)	
⚠F903	1-532-259-00	FUSE (T1.6A) (D511:AUS/D611:AEP, AUS)	
⚠T901	1-423-568-11	TRANSFORMER, POWER (D611:US, CND)	
⚠T901	1-423-569-11	TRANSFORMER, POWER (D611:AEP, UK, AUS)	
⚠T901	1-423-574-11	TRANSFORMER, POWER (D511:US, CND)	
⚠T901	1-423-575-11	TRANSFORMER, POWER (D511:UK, AUS)	

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 4
ELECTRICAL PARTS LIST

CONNECTOR (1) | CONNECTOR (2) | CONNECTOR (2. B) | DISPLAY

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA . . : μA. . uPA. . : μPA. .
  uPB. . : μPB. . uPC. . : μPC. . uPD. . : μPD. .
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indicating parts by reference number, please include the board.

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Abbreviations
  CND : Canadian model
  AUS : Australian model

Ref. No.	Part No.	Description	Remark
*	1-647-565-11	CONNECTOR (1) BOARD	
		**********	
		< CONNECTOR >	
* CNJ801	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P	
* CNJ802	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P	
**********			
*	1-647-566-11	CONNECTOR (2) BOARD	
		**********	
		< CONNECTOR >	
CNP404	1-750-384-11	CONNECTOR, BOARD TO BOARD 11P	
**********			
*	1-648-372-11	CONNECTOR (2. B) BOARD	
		**********	
		< CONNECTOR >	
CNJ402	1-750-383-11	CONNECTOR, BOARD TO BOARD 11P	
**********			
*	A-4360-390-A	DISPLAY BOARD, COMPLETE (D511:US, CND)	
*	A-4360-391-A	DISPLAY BOARD, COMPLETE (D511:UK, AUS)	
*	A-4360-393-A	DISPLAY BOARD, COMPLETE (D611:US, CND)	
*	A-4360-406-A	DISPLAY BOARD, COMPLETE (D611:AEP, UK, AUS)	
		**********	
*	4-921-941-01	CUSHION (FL)	
*	4-942-204-01	PLATE, GROUND	
*	4-943-107-11	HOLDER (FL TUBE)	
		< CAPACITOR >	
C210	1-126-096-11	ELECT 10uF 20% 35V	
C211	1-124-465-00	ELECT 0. 47uF 20% 50V	
C212	1-164-159-11	CERAMIC 0. 1uF 50V	
C213	1-164-159-11	CERAMIC 0. 1uF 50V	
C214	1-125-486-11	DOUBLE LAYERS 0. 22F 5. 5V	
C215	1-164-159-11	CERAMIC 0. 1uF 50V	
C216	1-162-294-31	CERAMIC 0. 001uF 10% 50V	

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
* CNJ201	1-568-873-11	SOCKET, CONNECTOR 31P	
* CNJ202	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P	
* CNJ203	1-566-969-11	HOUSING, CONNECTOR(PC BOARD) 7P	
CNJ204	1-691-173-11	CONNECTOR (BOARD TO BOARD) 3P	
CNP202	1-691-160-11	PIN, CONNECTOR 3P	
CNP403	1-750-384-11	CONNECTOR, BOARD TO BOARD 11P (D511:US, CND/D611)	
* CNP903	1-580-230-11	PIN, CONNECTOR (PC BOARD) 3P (D511:AUS/ D611:AEP, AUS)	
		< DIODE >	
D201-204	8-719-987-63	DIODE 1N4148M (D611)	
D205	8-719-987-63	DIODE 1N4148M	
D206	8-719-987-63	DIODE 1N4148M	
D207	8-719-313-72	LED SEL3810A-CD (VIDEO 2)	
D208	8-719-313-72	LED SEL3810A-CD (VIDEO 1)	
D209	8-719-313-72	LED SEL3810A-CD (HALL)	
D210	8-719-313-72	LED SEL3810A-CD (SIMULATED/HALL) (D511:UK, AUS/D611)	
D211	8-719-313-72	LED SEL3810A-CD (DOLBY SUR)	
D212	8-719-313-72	LED SEL3810A-CD (-20dB)	
D213	8-719-313-72	LED SEL3810A-CD (DBFB)	
D214	8-719-313-69	DIODE SEL3210S-CD (STANDBY) (D511:UK, AUS/D611:AEP, UK, AUS)	
D215-225	8-719-987-63	DIODE 1N4148M	
D283	8-719-987-63	DIODE 1N4148M (D511:UK, AUS/D611:AEP, UK, AUS)	
D285	8-719-987-63	DIODE 1N4148M (D511:UK, AUS/D611:AEP, UK, AUS)	
D295	8-719-987-63	DIODE 1N4148M (D511:UK, AUS/D611:AEP, UK, AUS)	
D296	8-719-987-63	DIODE 1N4148M (D611)	
		< FLUORESCENT INDICATOR >	
FL201	1-517-141-11	INDICATOR TUBE, FLUORESCENT	

DISPLAY HP

Ref. No.	Part No.	Description	Remark
		< IC >	
IC202	8-759-169-77	IC HD64327	
IC203	8-759-962-08	IC BA6208	
IC204	8-749-923-11	IC GP1U58XB	
		< TRANSISTOR >	
Q205	8-729-900-63	TRANSISTOR DTA124ES	
Q206-210			
	8-729-900-36	TRANSISTOR DTC124ES	
Q211	8-729-900-36	TRANSISTOR DTC124ES (D511:UK, AUS/D611)	
Q212-214			
	8-729-900-36	TRANSISTOR DTC124ES	
Q216	8-729-900-36	TRANSISTOR DTC124ES (D511:UK, AUS/ D611:AEP, UK, AUS)	
		< RESISTOR >	
R210	1-249-401-11	CARBON 47 5% 1/4W	
R211-214			
	1-249-441-11	CARBON 100K 5% 1/4W	
R216	1-249-429-11	CARBON 10K 5% 1/4W	
R217	1-249-433-11	CARBON 22K 5% 1/4W	
R218	1-249-433-11	CARBON 22K 5% 1/4W	
R219	1-249-441-11	CARBON 100K 5% 1/4W	
R220	1-249-410-11	CARBON 270 5% 1/4W	
R221	1-249-429-11	CARBON 10K 5% 1/4W	
R222	1-247-903-00	CARBON 1M 5% 1/4W	
R223-225			
	1-249-433-11	CARBON 22K 5% 1/4W	
R226	1-249-411-11	CARBON 330 5% 1/4W	
R227	1-249-433-11	CARBON 22K 5% 1/4W	
R228	1-249-411-11	CARBON 330 5% 1/4W	
R229	1-249-433-11	CARBON 22K 5% 1/4W	
R230	1-249-411-11	CARBON 330 5% 1/4W	
R231	1-249-433-11	CARBON 22K 5% 1/4W	
R232	1-249-411-11	CARBON 330 5% 1/4W	
R233	1-249-433-11	CARBON 22K 5% 1/4W	
R234	1-249-411-11	CARBON 330 5% 1/4W	
R235	1-249-433-11	CARBON 22K 5% 1/4W	
R236	1-249-411-11	CARBON 330 5% 1/4W	
R237	1-249-412-11	CARBON 390 5% 1/4W	
R238	1-249-413-11	CARBON 470 5% 1/4W	
R239	1-249-412-11	CARBON 390 5% 1/4W	
R240	1-249-412-11	CARBON 390 5% 1/4W	
R242	1-249-412-11	CARBON 390 5% 1/4W F (D511:UK, AUS/D611:AEP, UK, AUS)	
		< SWITCH >	
S213	1-554-303-21	SWITCH, TACTILE (+ (REAR LEVEL))	
S214	1-554-303-21	SWITCH, TACTILE (- (REAR LEVEL))	
S215	1-554-303-21	SWITCH, TACTILE (+ (CENER LEVEL))	
S216	1-554-303-21	SWITCH, TACTILE (- (CENER LEVEL))	
S223	1-554-303-21	SWITCH, TACTILE (SUR ON/OFF) (D611)	
S224	1-554-303-21	SWITCH, TACTILE (DELAY TIME)	
S225	1-554-303-21	SWITCH, TACTILE (PRO LOGIC MODE)	
S226	1-554-303-21	SWITCH, TACTILE (SUR MODE)	
S231	1-554-303-21	SWITCH, TACTILE (PHONO)	
S232	1-554-303-21	SWITCH, TACTILE (TUNER)	
S233	1-554-303-21	SWITCH, TACTILE (CD)	
S234	1-554-303-21	SWITCH, TACTILE (TAPE/DAT)	
S235	1-554-303-21	SWITCH, TACTILE (VIDEO 2/LD)	
S236	1-554-303-21	SWITCH, TACTILE (VIDEO 1)	
S241	1-554-303-21	SWITCH, TACTILE (DIRECT TUNING)	
S242	1-554-303-21	SWITCH, TACTILE (FM MODE)	
S243	1-554-303-21	SWITCH, TACTILE (DBFB)	
S245	1-554-303-21	SWITCH, TACTILE (SHIFT)	
S246	1-554-303-21	SWITCH, TACTILE (MEMORY)	
S251	1-554-303-21	SWITCH, TACTILE (0)	
S253	1-554-303-21	SWITCH, TACTILE (MUTING)	
S254	1-554-303-21	SWITCH, TACTILE (1)	
S255	1-554-303-21	SWITCH, TACTILE (2)	
S256	1-554-303-21	SWITCH, TACTILE (3)	
S261	1-554-303-21	SWITCH, TACTILE (9)	
S262	1-554-303-21	SWITCH, TACTILE (8)	
S263	1-554-303-21	SWITCH, TACTILE (7)	
S264	1-554-303-21	SWITCH, TACTILE (6)	
S265	1-554-303-21	SWITCH, TACTILE (5)	
S266	1-554-303-21	SWITCH, TACTILE (4)	
S271	1-554-303-21	SWITCH, TACTILE (AM)	
S272	1-554-303-21	SWITCH, TACTILE (FM)	
S273	1-554-303-21	SWITCH, TACTILE (+ (RESET TUNING))	
S274	1-554-303-21	SWITCH, TACTILE (- (RESET TUNING))	
S275	1-554-303-21	SWITCH, TACTILE (+ (TUNING))	
S276	1-554-303-21	SWITCH, TACTILE (- (TUNING))	
		< VIBRATOR >	
X201	1-579-952-21	VIBRATOR, CERAMIC (8MHz)	
**********			
*	1-647-561-11	HP BOARD	
		********	
		< JACK >	
J741	1-568-151-11	JACK (LARGE TYPE) (HEAD PHONES)	
		< RESISTOR >	
R741	1-247-753-11	CARBON 1.2K 5% 1/2W	
R742	1-247-753-11	CARBON 1.2K 5% 1/2W	
R791	1-247-753-11	CARBON 1.2K 5% 1/2W	

Ref. No.	Part No.	Description			Remark
R792	1-247-753-11	CARBON	1.2K	5% 1/2W	
**********					
*	1-647-663-11	HP CONNECTOR BOARD			
		**********			
		< CONNECTOR >			
CNP704	1-691-160-11	PIN, CONNECTOR 3P			
**********					
*	A-4360-389-A	MAIN BOARD, COMPLETE (D511:US, CND)			
*	A-4360-392-A	MAIN BOARD, COMPLETE (D611:US, CND)			
*	A-4365-075-A	MAIN BOARD, COMPLETE (D611:AEP, UK, AUS)			
*	A-4365-076-A	MAIN BOARD, COMPLETE (D511:UK, AUS)			
		**********			
	4-812-134-00	RIVET NYLON, 3.5			
*	4-942-204-01	PLATE, GROUND (D511:US, CND/D611:US, CND)			
	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3			
	7-682-548-04	SCREW +BVTT 3X8 (S)			
		< CAPACITOR >			
C301	1-164-159-11	CERAMIC	0.1uF		50V
C302	1-137-378-11	FILM	0.22uF	5%	50V
C303	1-124-927-11	ELECT	4.7uF	20%	100V
C304	1-124-927-11	ELECT	4.7uF	20%	100V
C305-307					
	1-137-378-11	FILM	0.22uF	5%	50V
C308	1-136-175-00	FILM	0.68uF	5%	50V
C309	1-137-368-11	FILM	0.0047uF	5%	50V
C310	1-164-081-11	CERAMIC	470PF	10%	50V
C311	1-137-459-91	FILM	0.0056uF	5%	100V
C312	1-137-443-11	FILM	0.056uF	5%	50V
C313	1-126-176-11	ELECT	220uF	20%	10V
C314	1-137-459-91	FILM	0.0056uF	5%	100V
C315	1-126-101-11	ELECT	100uF	20%	16V
C316	1-137-378-11	FILM	0.22uF	5%	50V
C317	1-124-907-11	ELECT	10uF	20%	50V
C318-320					
	1-164-159-11	CERAMIC	0.1uF		50V
C321	1-137-372-11	FILM	0.022uF	5%	50V
C322	1-137-372-11	FILM	0.022uF	5%	50V
C323	1-137-399-11	FILM	0.1uF	5%	50V
C324	1-137-399-11	FILM	0.1uF	5%	50V
C325	1-164-083-11	CERAMIC	680PF	10%	50V
C326	1-137-374-11	FILM	0.047uF	5%	50V
C327	1-137-399-11	FILM	0.1uF	5%	50V
C328	1-137-399-11	FILM	0.1uF	5%	50V
C329	1-164-083-11	CERAMIC	680PF	10%	50V
C330	1-137-374-11	FILM	0.047uF	5%	50V
C331	1-124-907-11	ELECT	10uF	20%	50V

Ref. No.	Part No.	Description			Remark
C332	1-124-477-11	ELECT	47uF	20%	25V
C333	1-137-368-11	FILM	0.0047uF	5%	50V
C334	1-124-916-11	ELECT	22uF	20%	63V
C335	1-124-907-11	ELECT	10uF	20%	50V
C336	1-124-927-11	ELECT	4.7uF	20%	100V
C337	1-124-443-00	ELECT	100uF	20%	10V
C338	1-164-082-11	CERAMIC	560PF	10%	50V
C339	1-137-399-11	FILM	0.1uF	5%	50V
C340	1-124-126-00	ELECT	47uF	20%	10V
C341-343					
	1-137-399-11	FILM	0.1uF	5%	50V
C344	1-137-459-91	FILM	0.0056uF	5%	100V
C345	1-164-082-11	CERAMIC	560PF	10%	50V
C346	1-124-927-11	ELECT	4.7uF	20%	100V
C347	1-124-927-11	ELECT (D611)	4.7uF	20%	100V
C348	1-124-927-11	ELECT (D611)	4.7uF	20%	100V
C349-352					
	1-124-927-11	ELECT	4.7uF	20%	100V
C353	1-164-159-11	CERAMIC	0.1uF		50V
C354	1-124-927-11	ELECT	4.7uF	20%	100V
C355	1-124-927-11	ELECT	4.7uF	20%	100V
C358	1-124-927-11	ELECT	4.7uF	20%	100V
C359	1-124-927-11	ELECT	4.7uF	20%	100V
C360	1-124-927-11	ELECT (D611)	4.7uF	20%	100V
C361	1-164-159-11	CERAMIC	0.1uF		50V
C362	1-164-159-11	CERAMIC	0.1uF		50V
C363	1-124-907-11	ELECT (D611)	10uF	20%	50V
C364	1-162-291-31	CERAMIC	560PF	10%	50V
C401	1-162-283-31	CERAMIC	120PF	10%	50V
C402	1-123-382-00	ELECT	3.3uF	20%	100V
C403	1-124-477-11	ELECT	47uF	20%	25V
C405	1-137-459-91	FILM	0.0056uF	5%	100V
C406	1-164-159-11	CERAMIC	0.1uF		50V
C407	1-137-365-11	FILM	0.0015uF	5%	50V
C408	1-162-294-31	CERAMIC	0.001uF	10%	50V
C409	1-123-382-00	ELECT	3.3uF	20%	100V
C410	1-124-477-11	ELECT	47uF	20%	25V
C411	1-124-907-11	ELECT	10uF	20%	50V
C412	1-162-291-31	CERAMIC	560PF	10%	50V
C413-419					
	1-164-159-11	CERAMIC	0.1uF		50V
C451	1-162-283-31	CERAMIC	120PF	10%	50V
C452	1-123-382-00	ELECT	3.3uF	20%	100V
C453	1-124-477-11	ELECT	47uF	20%	25V
C455	1-137-459-91	FILM	0.0056uF	5%	100V
C457	1-137-365-11	FILM	0.0015uF	5%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C459	1-123-382-00	ELECT	3.3uF	20%	100V
C460	1-124-477-11	ELECT	47uF	20%	25V
C461	1-124-907-11	ELECT	10uF	20%	50V
C601	1-164-077-11	CERAMIC	220PF	10%	50V
C602	1-124-927-11	ELECT	4.7uF	20%	100V
C603	1-164-070-11	CERAMIC	100PF	5%	50V
C604	1-124-443-00	ELECT	100uF	20%	10V
C605	1-164-039-11	CERAMIC	3PF	0.25PF	50V
C608	1-137-372-11	FILM	0.022uF	5%	50V
C610	1-164-159-11	CERAMIC	0.1uF		50V
C651	1-164-077-11	CERAMIC	220PF	10%	50V
C652	1-124-927-11	ELECT	4.7uF	20%	100V
C653	1-164-070-11	CERAMIC	100PF	5%	50V
C654	1-124-443-00	ELECT	100uF	20%	10V
C655	1-164-039-11	CERAMIC	3PF	0.25PF	50V
C658	1-137-372-11	FILM	0.022uF	5%	50V
C701	1-124-927-11	ELECT	4.7uF	20%	100V
C702	1-164-077-11	CERAMIC	220PF	10%	50V
C703	1-162-215-31	CERAMIC	47PF	5%	50V
C704	1-126-176-11	ELECT	220uF	20%	10V
C705	1-164-084-11	CERAMIC	820PF	10%	50V
C706	1-124-477-11	ELECT	47uF	20%	25V
C707	1-164-039-11	CERAMIC	3PF	0.25PF	50V
C708	1-124-477-11	ELECT	47uF	20%	25V
C710	1-161-959-00	CERAMIC	22PF	10%	500V
C711	1-164-159-11	CERAMIC	0.1uF		50V
C712	1-137-372-11	FILM	0.022uF	5%	50V
C720	1-124-472-11	ELECT	470uF	20%	10V
C721	1-124-919-51	ELECT	220uF	20%	63V
C722	1-124-919-51	ELECT	220uF	20%	63V
C723	1-124-463-00	ELECT	0.1uF	20%	50V
C724	1-124-464-11	ELECT	0.22uF	20%	50V
C751	1-124-927-11	ELECT	4.7uF	20%	100V
C752	1-164-077-11	CERAMIC	220PF	10%	50V
C753	1-162-215-31	CERAMIC	47PF	5%	50V
C754	1-126-176-11	ELECT	220uF	20%	10V
C755	1-164-084-11	CERAMIC	820PF	10%	50V
C756	1-124-477-11	ELECT	47uF	20%	25V
C757	1-164-039-11	CERAMIC	3PF	0.25PF	50V
C758	1-124-477-11	ELECT	47uF	20%	25V
C760	1-161-959-00	CERAMIC	22PF	10%	500V
C761	1-164-159-11	CERAMIC	0.1uF		50V
C762	1-137-372-11	FILM	0.022uF	5%	50V
C801	1-124-477-11	ELECT	47uF	20%	25V
C802	1-124-477-11	ELECT	47uF	20%	25V
C803	1-128-506-11	ELECT (D511)	6800uF	20%	50V
C803	1-128-591-11	ELECT (D611)	6800uF	20%	56V
C803	1-128-591-21	ELECT (D611)	6800uF	20%	56V
C804	1-128-506-11	ELECT (D511)	6800uF	20%	50V
C804	1-128-591-11	ELECT (D611)	6800uF	20%	56V
C804	1-128-591-21	ELECT (D611)	6800uF	20%	56V
C805	1-137-418-11	FILM	0.022uF	10%	100V
C806	1-137-418-11	FILM	0.022uF	10%	100V
C807	1-124-477-11	ELECT	47uF	20%	25V
C808	1-124-477-11	ELECT	47uF	20%	25V
C811	1-124-563-11	ELECT (D511)	2200uF	20%	25V
C811	1-124-618-11	ELECT (D611)	2200uF	20%	35V
C812	1-124-563-11	ELECT (D511)	2200uF	20%	25V
C812	1-124-618-11	ELECT (D611)	2200uF	20%	35V
C813	1-137-372-11	FILM	0.022uF	5%	50V
C814	1-137-372-11	FILM	0.022uF	5%	50V
C815	1-124-464-11	ELECT	0.22uF	20%	50V
C816	1-124-477-11	ELECT	47uF	20%	25V
C817	1-124-477-11	ELECT	47uF	20%	25V
C818	1-124-903-11	ELECT	1uF	20%	50V
C819	1-124-360-00	ELECT	1000uF	20%	16V
C820	1-161-494-00	CERAMIC	0.022uF		25V
C821	1-161-494-00	CERAMIC	0.022uF		25V

< CONNECTOR >

*	CNJ406	1-568-845-11	SOCKET, CONNECTOR 31P
*	CNJ701	1-568-828-11	SOCKET, CONNECTOR 9P
	CNP405	1-691-161-11	PIN, CONNECTOR 4P
	CNP701	1-750-388-11	PIN, CONNECTOR 5P
*	CNP706	1-564-674-11	PIN, CONNECTOR 8P
	CNP801	1-750-389-11	PIN, CONNECTOR 8P (D511/D611:US, CND)
*	CNP801	1-564-795-11	PIN, CONNECTOR (WITH LOCK) 8P (D611:AEP, UK, AUS)
*	CNP804	1-565-495-11	CONNECTOR, BOARD TO BOARD 4P

< DIODE >

D301	8-719-010-38	DIODE	UZ-5.1BSB
D602	8-719-987-63	DIODE	1N4148M
D701	8-719-933-41	DIODE	HZS6C3L
D702	8-719-987-63	DIODE	1N4148M
D703	8-719-815-85	DIODE	1S1585
D704	8-719-815-85	DIODE	1S1585
D705-709	8-719-987-63	DIODE	1N4148M

Ref. No.	Part No.	Description	Remark
D710	8-719-815-85	DIODE 1S1585	
D751	8-719-933-41	DIODE HZS6C3L	
D752	8-719-987-63	DIODE 1N4148M	
D753	8-719-815-85	DIODE 1S1585	
D801	8-719-002-33	DIODE UZL-24L	
D802	8-719-312-09	DIODE RBA-402 (D511)	
D802	8-719-302-38	DIODE RBV-602-01 (D611)	
D803	8-719-312-09	DIODE RBA-402	
D804	8-719-010-38	DIODE UZ-5.1BSB	
D807	8-719-985-53	DIODE HZS4ALL	
D808	8-719-933-41	DIODE HZS6C3L	
D809	8-719-933-41	DIODE HZS6C3L	
D810-813	8-719-200-82	DIODE 11ES2	
D814	8-719-987-63	DIODE 1N4148M	
D815	8-719-987-63	DIODE 1N4148M	
		< IC >	
IC301	8-759-165-01	IC NJM2177FB4	
IC302	8-759-633-83	IC M50198P	
IC303	8-759-000-48	IC MC14052BCP (D611)	
IC304	8-759-000-48	IC MC14052BCP (D611)	
IC305	8-759-634-51	IC M5218AP (D611)	
IC306	8-759-824-12	IC LC7536	
IC307	8-759-634-50	IC M5218AL	
IC401	8-759-805-14	IC LC7822	
IC402	8-759-636-74	IC M5218AP-22	
IC403	8-759-634-50	IC M5218AL	
IC601	8-759-502-31	IC SI18751	
IC651	8-759-173-97	IC SI18752-K (D511)	
IC651	8-759-502-33	IC SI18752 (D611)	
IC801	8-759-501-47	IC LM78M12	
IC802	8-759-700-69	IC NJM79L12A	
		< JACK >	
J401	1-695-188-21	JACK, PIN 4P (PHONO/CD)	
J402	1-580-825-11	JACK, PIN 6P (TAPE/DAT/VIDEO 2/LD)	
J403	1-573-028-21	JACK, PIN 4P (VIDEO 1)	
		< COIL >	
L361	1-410-521-11	INDUCTOR 100uH	
L601	1-420-872-00	COIL, AIR CORE	
L651	1-420-872-00	COIL, AIR CORE	
L701	1-420-872-00	COIL, AIR CORE	
L751	1-420-872-00	COIL, AIR CORE	
		< TRANSISTOR >	
Q301-306	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q307	8-729-119-78	TRANSISTOR 2SC2785-HFE (D611)	
Q308	8-729-119-78	TRANSISTOR 2SC2785-HFE (D611)	
Q603	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q701	8-729-620-18	TRANSISTOR 2SA979-FG	
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q703	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q704	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q705	8-729-122-13	TRANSISTOR 2SA1221-T-KLM	
Q706	8-729-195-82	TRANSISTOR 2SC2958	
Q707	8-729-209-15	TRANSISTOR 2SD2012	
Q708	8-729-022-08	TRANSISTOR 2SD2438-OPY-K (D511)	
Q708	8-729-020-52	TRANSISTOR 2SD2439-OPY (D611)	
Q709	8-729-022-07	TRANSISTOR 2SB1587-OPY-K (D511)	
Q709	8-729-020-48	TRANSISTOR 2SB1588-OPY (D611)	
Q710	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q711	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q712	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q713	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q714	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q751	8-729-620-18	TRANSISTOR 2SA979-FG	
Q752	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q753	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q754	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q755	8-729-122-13	TRANSISTOR 2SA1221-T-KLM	
Q756	8-729-195-82	TRANSISTOR 2SC2958	
Q757	8-729-209-15	TRANSISTOR 2SD2012	
Q758	8-729-022-08	TRANSISTOR 2SD2438-OPY-K (D511)	
Q758	8-729-020-52	TRANSISTOR 2SD2439-OPY (D611)	
Q759	8-729-022-07	TRANSISTOR 2SB1587-OPY-K (D511)	
Q759	8-729-020-48	TRANSISTOR 2SB1588-OPY (D611)	
Q760	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q801	8-729-140-97	TRANSISTOR KSA708	
Q802	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q803	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q804	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q805	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q806	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q807	8-729-180-92	TRANSISTOR 2SD809-K	
		< RESISTOR >	
R301	1-247-891-00	CARBON 330K 5% 1/4W	
R302	1-249-428-11	CARBON 8.2K 5% 1/4W	
R303	1-249-428-11	CARBON 8.2K 5% 1/4W (D511/ D611:AEP, UK, AUS)	
R303	1-247-891-00	CARBON 330K 5% 1/4W (D611:US, CND)	
R304	1-249-431-11	CARBON 15K 5% 1/4W	
R305	1-249-430-11	CARBON 12K 5% 1/4W	
R306	1-249-425-11	CARBON 4.7K 5% 1/4W (D611)	

MAIN

Ref. No.	Part No.	Description			Remark
R307-309					
	1-249-441-11	CARBON	100K	5%	1/4W
R310	1-249-425-11	CARBON	4.7K	5%	1/4W (D611)
R311	1-249-421-11	CARBON	2.2K	5%	1/4W
R312	1-249-421-11	CARBON	2.2K	5%	1/4W
R313	1-247-852-11	CARBON	7.5K	5%	1/4W
R314	1-249-437-11	CARBON	47K	5%	1/4W
R315	1-249-431-11	CARBON	15K	5%	1/4W
R316	1-247-852-11	CARBON	7.5K	5%	1/4W
R317	1-249-437-11	CARBON	47K	5%	1/4W
R318	1-249-431-11	CARBON	15K	5%	1/4W
R319	1-259-884-11	CARBON	4.7M	5%	1/4W
R320	1-259-884-11	CARBON	4.7M	5%	1/4W
R321	1-249-433-11	CARBON	22K	5%	1/4W
R322	1-249-433-11	CARBON	22K	5%	1/4W
R323	1-249-441-11	CARBON	100K	5%	1/4W
R324	1-249-429-11	CARBON	10K	5%	1/4W
R325-328					
	1-249-431-11	CARBON	15K	5%	1/4W
R329	1-249-429-11	CARBON	10K	5%	1/4W
R330	1-247-903-00	CARBON	1M	5%	1/4W
R332	1-249-429-11	CARBON	10K	5%	1/4W
R333	1-249-437-11	CARBON	47K	5%	1/4W
R334	1-249-429-11	CARBON	10K	5%	1/4W (D611)
R335	1-249-429-11	CARBON	10K	5%	1/4W (D611)
R336	1-249-433-11	CARBON	22K	5%	1/4W (D611)
R337	1-249-425-11	CARBON	4.7K	5%	1/4W (D611)
R338	1-249-425-11	CARBON	4.7K	5%	1/4W (D611)
R339	1-249-433-11	CARBON	22K	5%	1/4W (D611)
R340	1-249-419-11	CARBON	1.5K	5%	1/4W
R341	1-249-419-11	CARBON	1.5K	5%	1/4W
R342	1-247-887-00	CARBON	220K	5%	1/4W
R343	1-247-887-00	CARBON	220K	5%	1/4W
R344	1-249-429-11	CARBON	10K	5%	1/4W
R345	1-249-429-11	CARBON	10K	5%	1/4W
R346	1-249-433-11	CARBON	22K	5%	1/4W
R347	1-249-433-11	CARBON	22K	5%	1/4W
R348	1-249-423-11	CARBON	3.3K	5%	1/4W
R349	1-249-425-11	CARBON	4.7K	5%	1/4W
R350	1-249-429-11	CARBON	10K	5%	1/4W (D611)
R351	1-247-887-00	CARBON	220K	5%	1/4W (D611)
R352-354					
	1-249-425-11	CARBON	4.7K	5%	1/4W
R355-358					
	1-249-433-11	CARBON	22K	5%	1/4W (D611)
R401	1-249-411-11	CARBON	330	5%	1/4W
R402	1-249-425-11	CARBON	4.7K	5%	1/4W
R403-407					
	1-249-417-11	CARBON	1K	5%	1/4W
R408	1-249-429-11	CARBON	10K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R409	1-249-441-11	CARBON	100K	5%	1/4W
R410	1-249-441-11	CARBON	100K	5%	1/4W
R411	1-249-416-11	CARBON	820	5%	1/4W
R412	1-247-897-11	CARBON	560K	5%	1/4W
R413	1-249-437-11	CARBON	47K	5%	1/4W
R414	1-249-425-11	CARBON	4.7K	5%	1/4W
R415	1-249-409-11	CARBON	220	5%	1/4W
R416	1-249-409-11	CARBON	220	5%	1/4W
R417-420					
	1-249-441-11	CARBON	100K	5%	1/4W
R423	1-249-441-11	CARBON	100K	5%	1/4W
R424	1-249-426-11	CARBON	5.6K	5%	1/4W
R435	1-249-426-11	CARBON	5.6K	5%	1/4W
R439	1-249-417-11	CARBON	1K	5%	1/4W
R442	1-249-426-11	CARBON	5.6K	5%	1/4W
R443	1-249-426-11	CARBON	5.6K	5%	1/4W
R444	1-249-433-11	CARBON	22K	5%	1/4W
R445	1-249-433-11	CARBON	22K	5%	1/4W
R447	1-249-416-11	CARBON	820	5%	1/4W
R448	1-249-429-11	CARBON	10K	5%	1/4W
R449	1-249-433-11	CARBON	22K	5%	1/4W
R451	1-249-411-11	CARBON	330	5%	1/4W
R452	1-249-425-11	CARBON	4.7K	5%	1/4W
R453-457					
	1-249-417-11	CARBON	1K	5%	1/4W
R458	1-249-429-11	CARBON	10K	5%	1/4W
R459	1-249-441-11	CARBON	100K	5%	1/4W
R460	1-249-441-11	CARBON	100K	5%	1/4W
R461	1-249-416-11	CARBON	820	5%	1/4W
R462	1-247-897-11	CARBON	560K	5%	1/4W
R463	1-249-437-11	CARBON	47K	5%	1/4W
R465	1-249-409-11	CARBON	220	5%	1/4W
R466	1-249-409-11	CARBON	220	5%	1/4W
R467	1-249-441-11	CARBON	100K	5%	1/4W
R468	1-249-441-11	CARBON	100K	5%	1/4W
R489	1-249-417-11	CARBON	1K	5%	1/4W
R601	1-249-438-11	CARBON	56K	5%	1/4W
R602	1-249-417-11	CARBON	1K	5%	1/4W
R603	1-249-418-11	CARBON	1.2K	5%	1/4W
R604	1-249-438-11	CARBON	56K	5%	1/4W
⚠R608	1-249-393-11	CARBON	10	5%	1/4W F
⚠R609	1-249-389-11	CARBON	4.7	5%	1/4W F
R610	1-249-438-11	CARBON	56K	5%	1/4W
R611	1-249-426-11	CARBON	5.6K	5%	1/4W
R612	1-249-410-11	CARBON	270	5%	1/4W
R613	1-249-426-11	CARBON	5.6K	5%	1/4W
R651	1-249-438-11	CARBON	56K	5%	1/4W
R652	1-249-417-11	CARBON	1K	5%	1/4W
R653	1-249-418-11	CARBON	1.2K	5%	1/4W

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description				Remark
R654	1-249-438-11	CARBON	56K	5%	1/4W	
⚠R658	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R659	1-249-389-11	CARBON	4.7	5%	1/4W	F
R660	1-249-437-11	CARBON	47K	5%	1/4W	
R701	1-249-417-11	CARBON	1K	5%	1/4W	
R702	1-249-435-11	CARBON	33K	5%	1/4W	
R703	1-249-411-11	CARBON	330	5%	1/4W	(D511)
R703	1-249-409-11	CARBON	220	5%	1/4W	(D611)
R704	1-249-434-11	CARBON	27K	5%	1/4W	
R705	1-249-415-11	CARBON	680	5%	1/4W	
⚠R706	1-249-409-91	CARBON	220	5%	1/4W	F
R707	1-249-421-11	CARBON	2.2K	5%	1/4W	
R708	1-249-433-11	CARBON	22K	5%	1/4W	
⚠R709	1-249-409-91	CARBON	220	5%	1/4W	F
R710	1-249-435-11	CARBON	33K	5%	1/4W	
R711	1-249-414-11	CARBON	560	5%	1/4W	
R712	1-249-422-11	CARBON	2.7K	5%	1/4W	
⚠R713	1-249-397-11	CARBON	22	5%	1/4W	F
R714	1-249-415-11	CARBON	680	5%	1/4W	
R715	1-249-409-11	CARBON	220	5%	1/4W	
⚠R716	1-249-397-11	CARBON	22	5%	1/4W	F
R717	1-249-428-11	CARBON	8.2K	5%	1/4W	
⚠R718	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R719	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R720	1-208-601-21	WIREWOUND	0.1	10%	2W	F
⚠R721	1-208-601-21	WIREWOUND	0.1	10%	2W	F
R722	1-249-417-11	CARBON	1K	5%	1/4W	
R723	1-249-431-11	CARBON	15K	5%	1/4W	
⚠R724	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R725	1-249-389-11	CARBON	4.7	5%	1/4W	F
R727	1-249-437-11	CARBON	47K	5%	1/4W	
R728	1-249-441-11	CARBON	100K	5%	1/4W	
⚠R729	1-249-399-11	CARBON	33	5%	1/4W	F
⚠R730	1-249-399-11	CARBON	33	5%	1/4W	F
R731	1-249-429-11	CARBON	10K	5%	1/4W	
R732	1-249-417-11	CARBON	1K	5%	1/4W	
R733	1-249-435-11	CARBON	33K	5%	1/4W	
R734	1-249-427-11	CARBON	6.8K	5%	1/4W	
R735	1-249-427-11	CARBON	6.8K	5%	1/4W	
R736	1-249-410-11	CARBON	270	5%	1/4W	
R737	1-249-429-11	CARBON	10K	5%	1/4W	
R740	1-247-903-00	CARBON	1M	5%	1/4W	
R751	1-249-417-11	CARBON	1K	5%	1/4W	
R752	1-249-435-11	CARBON	33K	5%	1/4W	
R753	1-249-411-11	CARBON	330	5%	1/4W	(D511)
R753	1-249-409-11	CARBON	220	5%	1/4W	(D611)
R754	1-249-434-11	CARBON	27K	5%	1/4W	
R755	1-249-415-11	CARBON	680	5%	1/4W	
⚠R756	1-249-409-91	CARBON	220	5%	1/4W	F

Ref. No.	Part No.	Description				Remark
R757	1-249-421-11	CARBON	2.2K	5%	1/4W	
R758	1-249-433-11	CARBON	22K	5%	1/4W	
⚠R759	1-249-409-91	CARBON	220	5%	1/4W	F
R760	1-249-435-11	CARBON	33K	5%	1/4W	
R761	1-249-414-11	CARBON	560	5%	1/4W	
R762	1-249-422-11	CARBON	2.7K	5%	1/4W	
⚠R763	1-249-397-11	CARBON	22	5%	1/4W	F
R764	1-249-415-11	CARBON	680	5%	1/4W	
R765	1-249-409-11	CARBON	220	5%	1/4W	
⚠R766	1-249-397-11	CARBON	22	5%	1/4W	F
R767	1-249-428-11	CARBON	8.2K	5%	1/4W	
⚠R768	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R769	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R770	1-208-601-21	WIREWOUND	0.1	10%	2W	F
⚠R771	1-208-601-21	WIREWOUND	0.1	10%	2W	F
R772	1-249-417-11	CARBON	1K	5%	1/4W	
R773	1-249-431-11	CARBON	15K	5%	1/4W	
⚠R774	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R775	1-249-389-11	CARBON	4.7	5%	1/4W	F
R777	1-249-438-11	CARBON	56K	5%	1/4W	
R778	1-249-441-11	CARBON	100K	5%	1/4W	
R801	1-249-423-11	CARBON	3.3K	5%	1/4W	
⚠R802	1-249-399-11	CARBON	33	5%	1/4W	F
⚠R805	1-216-446-00	METAL OXIDE (D611)	18	5%	2W	F
R806	1-249-425-11	CARBON	4.7K	5%	1/4W	
R807	1-249-437-11	CARBON	47K	5%	1/4W	
⚠R808	1-249-405-11	CARBON (D611)	100	5%	1/4W	F
R811	1-249-417-11	CARBON	1K	5%	1/4W	
R812	1-249-426-11	CARBON	5.6K	5%	1/4W	
R813	1-249-426-11	CARBON	5.6K	5%	1/4W	
R814	1-249-429-11	CARBON	10K	5%	1/4W	
R815	1-249-429-11	CARBON	10K	5%	1/4W	
R816	1-249-417-11	CARBON	1K	5%	1/4W	
R817	1-249-429-11	CARBON	10K	5%	1/4W	
⚠R818	1-249-395-11	CARBON	15	5%	1/4W	F
R819	1-249-423-11	CARBON	3.3K	5%	1/4W	
R820	1-249-437-11	CARBON	47K	5%	1/4W	

< RELAY >

RY601	1-515-616-11	RELAY (D511)
RY601	1-515-533-11	RELAY (D611)
RY701	1-515-616-11	RELAY (D511)
RY701	1-515-533-11	RELAY (D611)

< TERMINAL >

TM001	1-537-240-51	TERMINAL BOARD (CHECKER PIN) (ANTENNA)

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN | **PS** | **SP SW** | **SP SW CONNECTOR** | **SP SW (2)** | **SYS SW** | **TONE**

Ref.No.	Part No.	Description	Remark
TM601	1-537-510-11	TERMINAL BOARD (SPEAKER) (6P) (SURROUND SPEAKERS)	
TM701	1-537-376-11	TERMINAL BOARD (SP) (FRONT SPEAKERS)	
		< ENCAPSULATED COMPONENT >	
TU001	1-239-561-11	ENCAPSULATED COMPONENT (FCC) (D511:US, CND/D611:US, CND)	
TU001	1-239-611-11	ENCAPSULATED COMPONENT (D511:UK, AUS/ D611:AEP, UK, AUS)	
		< VIBRATOR >	
X301	1-567-818-21	VIBRATOR, CERAMIC	
**********			
*	1-647-564-11	PS BOARD ********	
	1-533-217-31	HOLDER, FUSE	
		< CAPACITOR >	
C901	1-161-744-00	CERAMIC 0.01uF	400V
		< CONNECTOR >	
⚠CNJ902	1-540-057-11	OUTLET, AC (POLAR) (AC OUTLET) (D511:US, CND/D611:US, CND)	
* CNP805	1-565-495-11	CONNECTOR, BOARD TO BOARD 4P	
* CNP901	1-564-321-00	PIN, CONNECTOR 2P	
* CNP902	1-580-230-11	PIN, CONNECTOR (PC BOARD) 3P	
		< DIODE >	
D816	8-719-987-63	DIODE 1N4148M	
		< RESISTOR >	
R901	1-202-725-00	SOLID 3.3M 10% 1/2W (D511:US, CND/D611:US, CND)	
		< RELAY >	
⚠RY901	1-515-720-11	RELAY (D511:US, CND/D611:US, CND)	
⚠RY901	1-515-738-11	RELAY (D511:UK, AUS/D611:AEP, UK, AUS)	
		< TRANSFORMER >	
⚠T902	1-450-358-11	TRANSFORMER, POWER (D511:UK, AUS/ D611:AEP, UK, AUS)	
⚠T902	1-450-361-11	TRANSFORMER, POWER (D511:US, CND/D611:US, CND)	
**********			
*	1-647-559-11	SP SW BOARD **********	
		< CONNECTOR >	
CNJ702	1-691-173-11	CONNECTOR (BOARD TO BOARD) 3P	
		< SWITCH >	
S701	1-571-854-21	SWITCH, PUSH (2 KEY) (SPEAKERS)	
**********			
*	1-647-661-11	SP SW CONNECTOR BOARD **********	
		< CONNECTOR >	
CNJ703	1-750-390-11	SOCKET 5P	
**********			
*	1-648-184-11	SP SW (2) BOARD **********	
**********			
*	1-647-563-11	SYS SW BOARD **********	
		< CONNECTOR >	
* CNP201	1-565-295-11	PLUG, CONNECTOR 4P	
		< SWITCH >	
S200	1-554-303-21	SWITCH, TACTILE (POWER)	
**********			
*	1-647-558-11	TONE BOARD **********	
		< CAPACITOR >	
C421	1-137-440-11	FILM 0.018uF 5%	50V
C422	1-124-463-00	ELECT 0.1uF 20%	50V
C423	1-137-368-11	FILM 0.0047uF 5%	50V
C424	1-137-372-11	FILM 0.022uF 5%	50V
C471	1-137-440-11	FILM 0.018uF 5%	50V
C472	1-124-463-00	ELECT 0.1uF 20%	50V
C473	1-137-368-11	FILM 0.0047uF 5%	50V
C474	1-137-372-11	FILM 0.022uF 5%	50V
		< CONNECTOR >	
* CNJ405	1-566-968-11	HOUSING, CONNECTOR (PC BOARD) 6P	

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R421	1-249-430-11	CARBON	12K	5%	1/4W
R422	1-249-422-11	CARBON	2.7K	5%	1/4W
R429	1-249-415-11	CARBON	680	5%	1/4W
R437	1-247-903-00	CARBON	1M	5%	1/4W
R440	1-247-903-00	CARBON	1M	5%	1/4W
R471	1-249-430-11	CARBON	12K	5%	1/4W
R472	1-249-422-11	CARBON	2.7K	5%	1/4W
R479	1-249-415-11	CARBON	680	5%	1/4W
R487	1-247-903-00	CARBON	1M	5%	1/4W
R490	1-247-903-00	CARBON	1M	5%	1/4W
		< VARIABLE RESISTOR >			
RV421	1-223-362-11	RES, VAR, CARBON 100K/100K (BASS)			
RV422	1-223-363-11	RES, VAR, CARBON 125K/125K (TREBLE)			
RV423	1-238-965-21	RES, VAR, CARBON 100K/100K (BLANCE)			
**********					
*	1-647-664-11	TRANS TM (B) BOARD			
		**********			
		< CONNECTOR >			
CNJ803	1-750-391-11	SOCKET 8P			
**********					
*	1-647-562-11	TRANS TM BOARD			
		**********			
**********					
*	A-4360-397-A	VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C250-252					
	1-124-927-11	ELECT	4.7uF	20%	100V
C253	1-124-472-11	ELECT	470uF	20%	10V
C254	1-124-472-11	ELECT	470uF	20%	10V
C256	1-124-477-11	ELECT	47uF	20%	25V
C258	1-164-159-11	CERAMIC	0.1uF		50V
C259	1-124-477-11	ELECT	47uF	20%	25V
		< CONNECTOR >			
* CNJ251	1-691-174-11	CONNECTOR (BOARD TO BOARD) 4P			
		< IC >			
IC251	8-759-000-48	IC MC14052BCP			

Ref. No.	Part No.	Description			Remark
		< JACK >			
J251	1-695-317-21	JACK, PIN 2P (VIDEO 1/MONITOR)			
* J252	1-695-317-21	JACK, PIN 2P (VIDEO 1/VIDEO 2/LD)			
		< TRANSISTOR >			
Q251-262					
	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		< RESISTOR >			
R251-253					
	1-247-804-11	CARBON	75	5%	1/4W
R254	1-249-429-11	CARBON	10K	5%	1/4W
R255	1-249-411-11	CARBON	330	5%	1/4W
R256	1-249-423-11	CARBON	3.3K	5%	1/4W
R257	1-249-422-11	CARBON	2.7K	5%	1/4W
R258	1-249-421-11	CARBON	2.2K	5%	1/4W
R259	1-249-413-11	CARBON	470	5%	1/4W
R260	1-249-435-11	CARBON	33K	5%	1/4W
R261	1-249-430-11	CARBON	12K	5%	1/4W
R262	1-247-804-11	CARBON	75	5%	1/4W
R263	1-249-429-11	CARBON	10K	5%	1/4W
R264	1-249-411-11	CARBON	330	5%	1/4W
R265	1-249-423-11	CARBON	3.3K	5%	1/4W
R266	1-249-422-11	CARBON	2.7K	5%	1/4W
R267	1-249-421-11	CARBON	2.2K	5%	1/4W
R268	1-249-413-11	CARBON	470	5%	1/4W
R269	1-249-433-11	CARBON	22K	5%	1/4W
R270	1-249-433-11	CARBON	22K	5%	1/4W
**********					
*	A-4360-394-A	VOL BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C420	1-162-207-31	CERAMIC	22PF	5%	50V
C425	1-126-096-11	ELECT	10uF	20%	35V
C426	1-126-096-11	ELECT	10uF	20%	35V
C427	1-124-252-00	ELECT	0.33uF	20%	50V
C428	1-130-489-00	MYLAR	0.033uF	5%	50V
C429	1-164-070-11	CERAMIC	100PF	5%	50V
C430	1-126-301-11	ELECT	1uF	20%	50V
C431	1-126-301-11	ELECT	1uF	20%	50V
C432	1-126-096-11	ELECT	10uF	20%	35V
C433	1-126-096-11	ELECT	10uF	20%	35V
C470	1-162-207-31	CERAMIC	22PF	5%	50V
C475	1-126-096-11	ELECT	10uF	20%	35V
C476	1-126-096-11	ELECT	10uF	20%	35V
C477	1-124-252-00	ELECT	0.33uF	20%	50V
C478	1-130-489-00	MYLAR	0.033uF	5%	50V

VOL

Ref. No.	Part No.	Description				Remark
C479	1-164-070-11	CERAMIC	100PF	5%	50V	
		< CONNECTOR >				
CNJ403	1-750-383-11	CONNECTOR, BOARD TO BOARD 11P				
* CNJ404	1-568-828-11	SOCKET, CONNECTOR 9P				
* CNP401	1-566-971-11	PIN, CONNECTOR (PC BOARD) 6P				
* CNP402	1-566-972-11	PIN, CONNECTOR (PC BOARD) 7P				
		< DIODE >				
D421	8-719-987-63	DIODE 1N4148M				
		< IC >				
IC404	8-759-634-51	IC M5218AP				
		< TRANSISTOR >				
Q401	8-729-202-67	TRANSISTOR 2SK246-GR3				
Q402	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q403	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q451	8-729-202-67	TRANSISTOR 2SK246-GR3				
Q452	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q453	8-729-141-30	TRANSISTOR 2SC3623A-LK				
		< RESISTOR >				
R425	1-249-428-11	CARBON	8.2K	5%	1/4W	
R426	1-249-438-11	CARBON	56K	5%	1/4W	
R427	1-249-417-11	CARBON	1K	5%	1/4W	
R428	1-249-425-11	CARBON	4.7K	5%	1/4W	
R430	1-247-887-00	CARBON	220K	5%	1/4W	
R431	1-249-423-11	CARBON	3.3K	5%	1/4W	
R432	1-247-883-00	CARBON	150K	5%	1/4W	
R433	1-249-427-11	CARBON	6.8K	5%	1/4W	
R434	1-249-412-11	CARBON	390	5%	1/4W	
R436	1-249-441-11	CARBON	100K	5%	1/4W	
R438	1-249-441-11	CARBON	100K	5%	1/4W	
R441	1-249-441-11	CARBON	100K	5%	1/4W	
R446	1-249-405-11	CARBON	100	5%	1/4W	
R464	1-247-903-00	CARBON	1M	5%	1/4W	
R469	1-247-903-00	CARBON	1M	5%	1/4W	
R475	1-249-428-11	CARBON	8.2K	5%	1/4W	
R476	1-249-438-11	CARBON	56K	5%	1/4W	
R477	1-249-417-11	CARBON	1K	5%	1/4W	
R478	1-249-425-11	CARBON	4.7K	5%	1/4W	
R480	1-247-887-00	CARBON	220K	5%	1/4W	
R481	1-249-423-11	CARBON	3.3K	5%	1/4W	
R482	1-247-883-00	CARBON	150K	5%	1/4W	
R483	1-249-427-11	CARBON	6.8K	5%	1/4W	
R484	1-249-412-11	CARBON	390	5%	1/4W	
R491	1-249-441-11	CARBON	100K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R496	1-249-405-11	CARBON	100	5%	1/4W	
		< VARIABLE RESISTOR >				
RV404	1-241-816-11	RES, VAR, CARBON 100KX4 (MASTER VOLUME)				
		MISCELLANEOUS				
9	1-696-456-11	WIRE (FLAT TYPE) (31 CORE)				
* 10	1-590-240-11	WIRE, FLAT TYPE (9 CORE)				
⚠61	1-575-651-11	CORD, POWER (D611:AEP)				
⚠61	1-690-609-11	CORD, POWER (D511:US, CND/D611:US, CND)				
⚠61	1-696-570-21	CORD, POWER (D511:UK/D611:UK)				
⚠61	1-696-848-21	CORD, POWER (D511:AUS/D611:AUS)				
⚠CNJ903	1-251-078-11	OUTLET, AC (D511:AUS/D611:AUS)				
⚠CNJ903	1-526-794-11	OUTLET, AC (D611:AEP)				
⚠F801	1-532-350-00	FUSE (T4A/250V) (D511:UK, AUS/D611:AEP, UK, AUS)				
⚠F801	1-576-108-11	FUSE (125V/4A) (D511:US, CND/D611:US, CND)				
⚠F802	1-532-350-00	FUSE (T4A/250V) (D511:UK, AUS/D611:AEP, UK, AUS)				
⚠F802	1-576-108-11	FUSE (125V/4A) (D511:US, CND/D611:US, CND)				
⚠F902	1-532-259-00	FUSE (T1.6A) (D511:AUS/D611:AEP, UK, AUS)				
⚠F902	1-532-285-00	FUSE (T1.25A) (D511:UK)				
⚠F902	1-576-108-11	FUSE (125V/4A) (D511:US, CND/D611:US, CND)				
⚠F902	1-576-110-11	FUSE (125V/6A) (D611:US, CND)				
⚠F903	1-532-259-00	FUSE (T1.6A) (D511:AUS/D611:AEP, AUS)				
⚠T901	1-423-568-11	TRANSFORMER, POWER (D611:US, CND)				
⚠T901	1-423-569-11	TRANSFORMER, POWER (D611:AEP, UK, AUS)				
⚠T901	1-423-574-11	TRANSFORMER, POWER (D511:US, CND)				
⚠T901	1-423-575-11	TRANSFORMER, POWER (D511:UK, AUS)				

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Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		******	
	1-467-035-11	COMMANDER, STANDARD (RM-U232)	
	1-501-374-11	ANTENNA, LOOP	
	3-707-584-21	COVER, BATTERY (For RM-U232)	
	3-756-495-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, DUTCH) (D611:AEP)	
	3-756-495-21	MANUAL, INSTRUCTION (ENGLISH) (D511/D611:US, CND, UK, AUS)	
	3-756-495-31	MANUAL, INSTRUCTION (FRENCH) (D511:CND/ D611:CND)	
	3-756-495-41	MANUAL, INSTRUCTION (SPANISH, SWEDISH, DANISH, FINNISH) (D611:AEP)	
*	4-952-676-01	CUSHION	
*	4-957-603-01	INDIVIDUAL CARTON (D611:US, CND, AUS)	
*	4-957-604-01	INDIVIDUAL CARTON (D611:AEP, UK)	
*	4-957-605-01	INDIVIDUAL CARTON (D511:US, CND, AUS)	
*	4-957-606-01	INDIVIDUAL CARTON (D511:UK)	

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HARDWARE LIST

#1	7-621-849-00	SCREW, TAPPING	
#2	7-682-547-09	SCREW +BVTT 3X6 (S)	
#3	7-682-548-04	SCREW +BVTT 3X8 (S)	
#4	7-682-548-09	SCREW +BVTT 3X8 (S)	
#5	7-682-560-04	SCREW +BVTT 4X6 (S)	
#6	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S	
#7	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	
#8	7-685-871-01	SCREW +BVTT 3X6 (S)	

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